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Электронные компоненты, радиодетали

Каталог Mean Well 2020г. МИНСК

источник, тока, напряжения, каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото, даташит, Блок, питания, MW, MEAN WELL,

О компании MEAN WELL

Компания MEAN WELL Enterprises Co., Ltd. образована в 1982 году. В настоящее время MEAN WELL является одним из крупнейших тайваньских производителей источников питания.

Номенклатура изделий фирмы включает несколько тысяч наименований источников питания AC/DC, конверторов DC/DC и инверторов DC/AC,

производимых на заводах в КНР и на Тайване. Продукция компании характеризуется высоким качеством, конкурентоспособными ценами и широтой номенклатуры.

Особенно хорошо представлена номенклатура источников питания AC/DC. Это промышленные источники питания в открытом и закрытом исполнениях для встраивания в промышленную аппаратуру различного назначения, источники питания типа «desk top» и «wall mount», выполненные в виде законченных внешних устройств питания ноутбуков и другой бытовой и промышленной техники, лабораторные источники питания и др.

Продукция MEAN WELL соответствует международным стандартам по электромагнитной совместимости и электробезопасности, что подтверждено сертификатами UL, cUL, CSA, TUV, CE.

Система менеджмента качества компании соответствует стандарту ISO 9001.

Компания MEAN WELL специализируется исключительно на разработке и производстве готовых источников питания.

Она выпускает:

сетевые источники питания в корпусе для монтажа на шасси мощностью от 15 Вт до 8 кВт;

открытые источники питания для монтажа на шасси мощностью от 5 до 250 Вт;

источники питания для монтажа на печатную плату мощностью от 5 до 20 Вт;

источники питания на DIN-рейку мощностью от 20 до 960 Вт;

полузаказные конфигурируемые клиентом источники питания мощностью 450-1000 Вт;

сетевые адаптеры питания мощностью от 5 до 120 Вт;

зарядные устройства мощностью от 108 до 360 Вт;

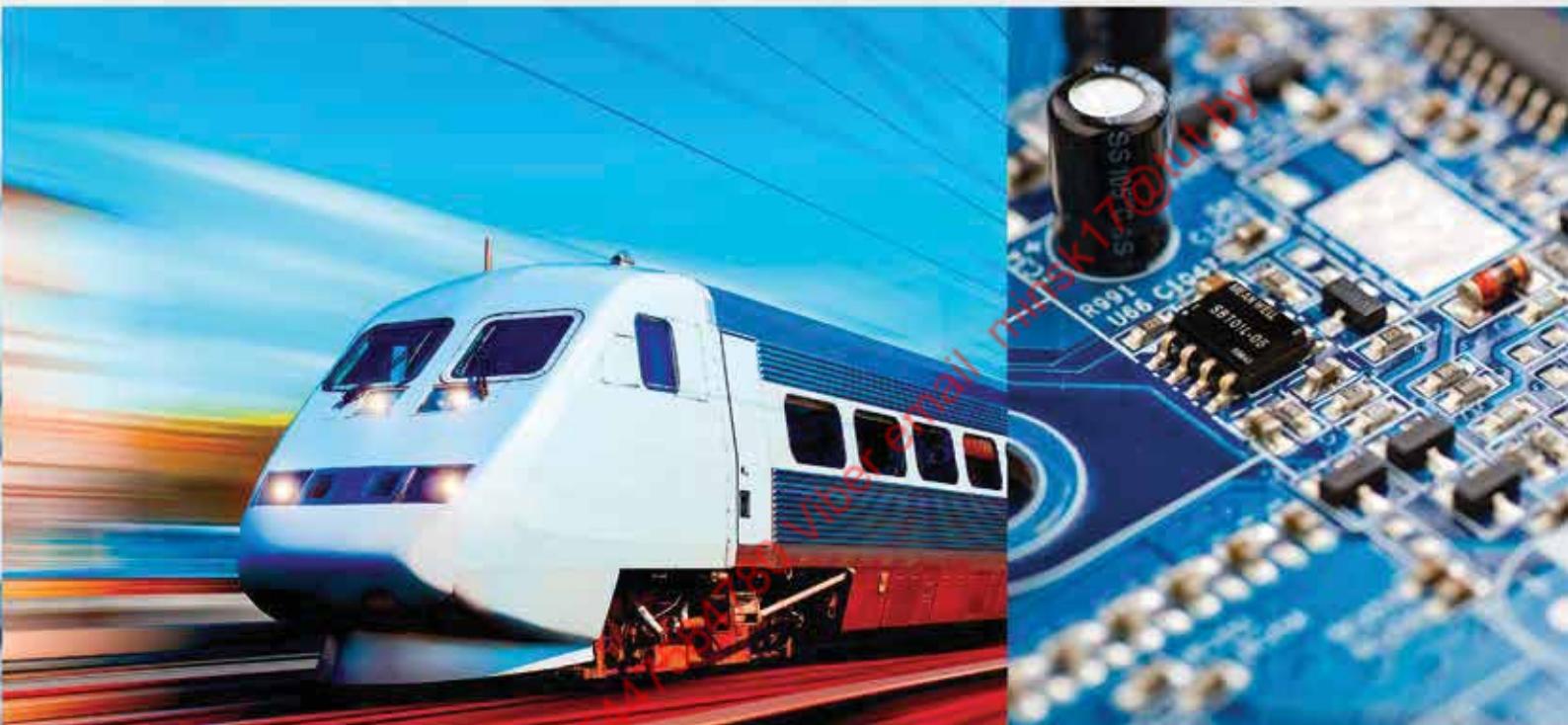
DC/DC-преобразователи для монтажа на печатную плату мощностью от 0,5 до 30 Вт;

DC/DC-преобразователи для монтажа на шасси от 5 до 350 Вт;

DC/AC-инверторы мощностью от 150 до 2400 Вт.



Your Reliable Power Partner



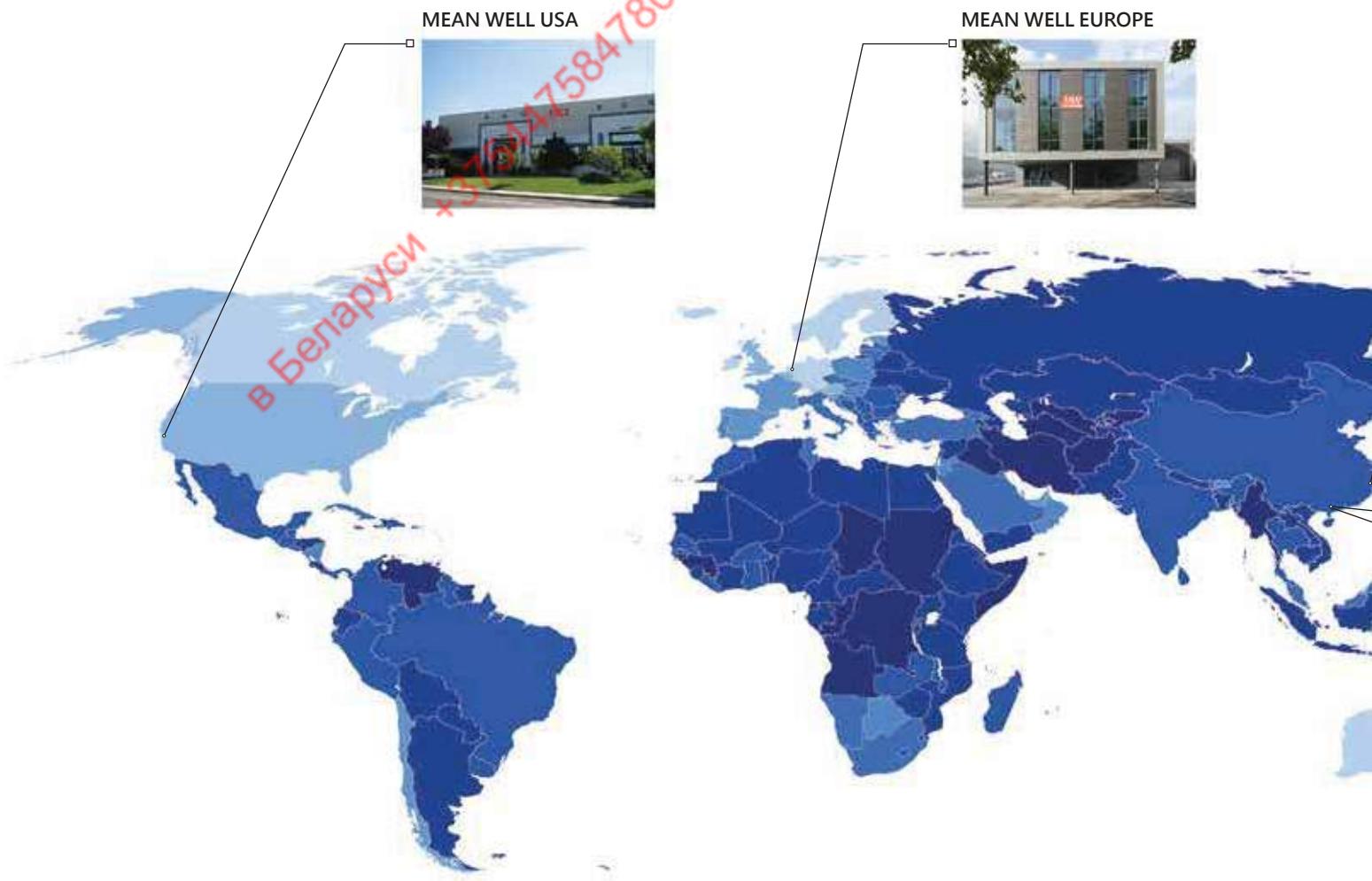
DC/DC Converter

Enclosed | DIN Rail | PCB | On Board | Module



Company Profile

Established in 1982, MEAN WELL is a leading standard switching power supply manufacturers in the world. MEAN WELL currently operates under five companies in Taiwan, China, USA and Europe and three factories in Taiwan, GuangZhou and SuZhou. The product lines include AC/DC switching power supplies, DC/DC converters, waterproof LED drivers, adaptors, DC/AC inverters and battery chargers. We have over 9,500 standard models widely used in medical, automation, communication, LED lighting, moving sign, and office automation fields.



With 36 years of experience in R&D and production of standard power supplies, MEAN WELL has ten product category covering 9,500 models, to provide “One Stop Shopping” power solutions. Every product in the MEAN WELL range is the result of rigid procedures governing design, design verification test (DVT), design quality test (DQT), component selection, pilot-run production, and mass production.

With more than 200 distributors globally, the MEAN WELL products are distributed to over 80 countries worldwide. The small size orders can expect delivery within 24 hours without MOQ requirement. If you are looking for switching power supply with high reliability, good quality, reasonable price and full series products which can satisfy your various demands, MEAN WELL, a total solution provider, is definitely your first choice!



Reliable Quality

The brand name "MEAN WELL" is defined as "have good intentions". We strongly believe that the product quality is the life of power supply manufacturer. "To become the reliable power partner" has been the motivation for MEAN WELL to grow continuously.

In 1994, MEAN WELL acquired the ISO9001 certification and began to implement the total quality management (TQM) system, which are audited by TUV annually to continuous review and improvement. In April 2013, MEAN WELL acquired the ISO14000 certification and obtained the OHSAS18001 system (ESH, environmental safety and health) in 2015, to take the concept of environmental protection into action, and expect to create a safe and healthy life.



OHSAS18001



ISO9001



ISO14000

MEAN WELL DC/DC converter products comply with CB / UL / CE /FCC.





MEAN WELL has a complete quality management system. To ensure product quality, 100% burn-in test, function test and pressure test have been applied in manufacturing process, while the MIL-105E sampling method used in IQC, PCBQC (semi-finished products testing) and FQC phases. In the R&D stage, MEAN WELL quality engineers customize the "Test Plan" for each product, to complete the verifications of DFMEA, DVT/DQT, ORT, EMC, drop test, vibration test, thermal shock test, and reliability test.

In production stage, the product engineers co-work with process engineers to review the pilot run, semi-finished products quality control, process checking, finished product quality control, and the feedback analysis as well as the production problems occurred.



Product Range



Enclosed Type

- 15~1000W
- 2:1 or 4:1 input range
- 3.3V~48V single output
- -40~+70°C operating temp.
- EN50155 railway standard (RSD series)



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DIN Rail Type

- 15~240W
- 2:1 or 4:1 wide input range
- 3.3~48V single output
- -40~+85°C wide operating temp.
- EN50155 railway standard (120W/240W)



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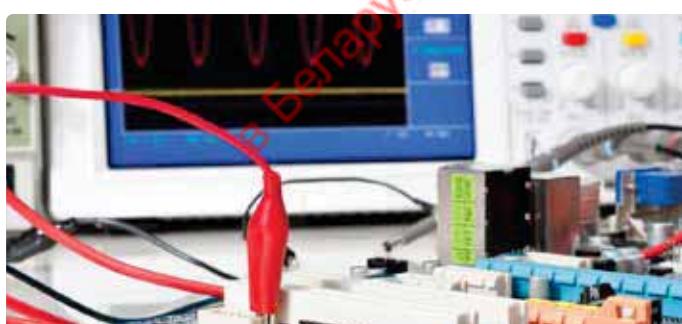


PCB Type

- 15~45W
- 2:1 input range
- 5V~24V single output
- -20~+60°C operating temp.



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On Board Type

- 5~60W
- PCB mount models
- 2:1 or 4:1 input range
- Single and dual output
- -25~+70°C operating temp.



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Module Type

- 0.5~150W
- SIP, SMD, DIP, 1"x1", 2"x1", 2"x2", Brick package
- ±10%, 2:1 or 4:1 input range & 1~3 output
- EN50155 railway standard (RSDW/RDDW series)
- Medical safety approved (MDS/MDD series)
- -40~+90°C ultrawide operating temp.



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MEAN WELL DC/DC product lines can be categorized into five categories—Enclosed, PCB, On-board, module type, and DIN rail type by appearance, installation methods, and application sites. Currently, there are over 100 series and 900 models with covering 0.5 ~ 1000W. To meet the demands of terminal system equipment, MEAN WELL organizes multiple categories and various DC/DC converters, which can also be divided into I/O isolation and non-isolated, regulated and non-regulated, ±10%, 2: 1, 3: 1, and 4: 1 input voltage range and single, dual, and triple output voltage. MEAN WELL products can fully meet designers' needs for one-stop shopping and application for diverse usage, such as industrial automation control , power electronics, telecom, railway, medical, LED lighting, security control, distributed power ,etc. In addition, MEAN WELL R & D team not only continually strives for excellence, but releases new and competitive DC/DC converter to meet market demands.

The usage method of DC/DC converter is its front end collocating with AC/DC power supply or battery. The common application includes boost, buck, regulator in system equipment and improving system isolation, system wiring voltage reduce compensation, and system security, etc.

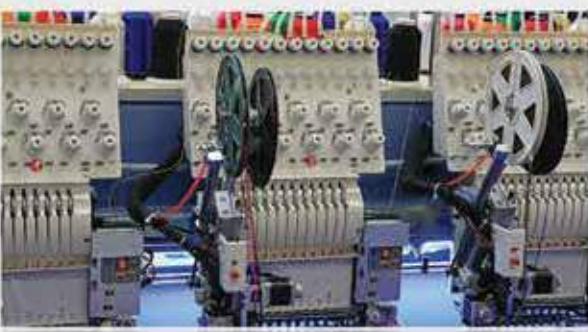


Automated hematology analyzer

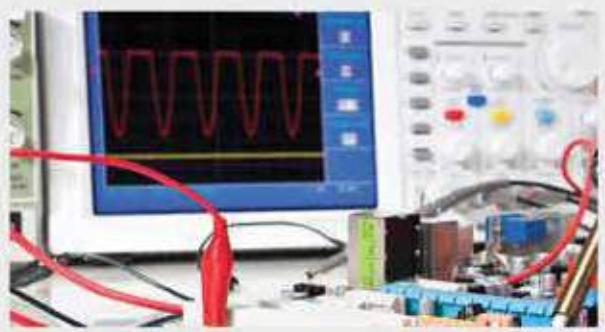
Railway instrument panel



Embroidery machine



Oscilloscope



Enclosed Type



Features

- 15~1000W complete wattage for choice
- 2:1 or 4:1 wide input range
- Single output voltage from 5V to 48V available
- 1U low profile (except for SD-150~500)
- I/O isolated
- Compliance to EN50155/EN45545-2 railway standard
(RSD-30~300)
- -40~+70°C wide operating temperature
- 3 years warranty for RSD series
2 years warranty for SD series





▲ RSD-30
113x 60x 25mm



▲ RSD-60
128x 60x 25mm



▲ RSD-100
161x 68x 36mm



▲ RSD-150
189x 77x 36mm



RSD-30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSD-30G-3.3	20W	12V, 24V (9~36V)	3.3V	6A			
RSD-30G-5	30W		5V	6A			
RSD-30G-12	30W		12V	2.5A			
RSD-30G-24	30W		24V	1.25A			
RSD-30L-3.3	20W	24V, 48V (18~72V)	3.3V	6A			
RSD-30L-5	30W		5V	6A			
RSD-30L-12	30W		12V	2.5A			
RSD-30L-24	30W		24V	1.25A			
RSD-30H-3.3	20W	96V, 110V (40~160V)	3.3V	6A			
RSD-30H-5	30W		5V	6A			
RSD-30H-12	30W		12V	2.5A			
RSD-30H-24	30W		24V	1.25A			

RSD-60

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSD-60G-3.3	40W	12V, 24V (9~36V)	3.3V	12A			
RSD-60G-5	60W		5V	12A			
RSD-60G-12	60W		12V	5A			
RSD-60G-24	60W		24V	2.5A			
RSD-60L-3.3	40W	24V, 48V (18~72V)	3.3V	12A			
RSD-60L-5	60W		5V	12A			
RSD-60L-12	60W		12V	5A			
RSD-60L-24	60W		24V	2.5A			
RSD-60H-3.3	40W	96V, 110V (40~110V)	3.3V	12A			
RSD-60H-5	60W		5V	12A			
RSD-60H-12	60W		12V	5A			
RSD-60H-24	60W		24V	2.5A			

RSD-100

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSD-100B-5			5V	20A			
RSD-100B-12	100W	24V (16.8 ~ 31.2V)	12V	8.4A			
RSD-100B-24			24V	4.2A			
RSD-100C-5			5V	20A			
RSD-100C-12	100W	48V (33.6 ~ 62.4V)	12V	8.4A			
RSD-100C-24			24V	4.2A			
RSD-100D-5			5V	20A			
RSD-100D-12	100W	96V, 110V(67.2~143V)	12V	8.4A			
RSD-100D-24			24V	4.2A			

RSD-150

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSD-150B-5	150W		5V	30A			
RSD-150B-12	150W	24V (16.8~31.2V)	12V	12.5A			
RSD-150B-24	151W		24V	6.3A			
RSD-150C-5	150W		5V	30A			
RSD-150C-12	150W	48V (33.6~62.4V)	12V	12.5A			
RSD-150C-24	151W		24V	6.3A			
RSD-150D-5	150W		5V	30A			
RSD-150D-12	150W	96V, 110V (67.2~143V)	12V	12.5A			
RSD-150D-24	151W		24V	6.3A			



■ Enclosed Type 15~1000W



▲ RSD-200
191x 86x 40mm



▲ RSD-300
216x 96.5x 40mm

■ RSD-200



Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSD-200B-12	200W		12V	16.7A			
RSD-200B-24	202W	24V (16.8~31.2V)	24V	8.4A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-200B-48	202W		48V	4.2A			
RSD-200C-12	200W		12V	16.7A			
RSD-200C-24	202W	48V (33.6~62.4V)	24V	8.4A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-200C-48	202W		48V	4.2A			
RSD-200D-12	200W		12V	16.7A			
RSD-200D-24	202W	96V, 110V (67.2~143V)	24V	8.4A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-200D-48	202W		48V	4.2A			

■ RSD-300



Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSD-300B-5	210W		5V	42A			
RSD-300B-12	270W	24V (16.8~31.2V)	12V	22.5A			
RSD-300B-24	271W		24V	11.3A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-300B-48	274W		48V	5.7A			
RSD-300C-5	210W		5V	42A			
RSD-300C-12	300W	48V (33.6~62.4V)	12V	25A			
RSD-300C-24	300W		24V	12.5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-300C-48	302W		48V	6.3A			
RSD-300D-5	210W		5V	42A			
RSD-300D-12	300W	96V, 110V (67.2~143V)	12V	25A			
RSD-300D-24	300W		24V	12.5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-300D-48	302W		48V	6.3A			
RSD-300E-5	210W		5V	42A			
RSD-300E-12	300W	36V (25.2~46.8V)	12V	25A			
RSD-300E-24	300W		24V	12.5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-300E-48	302W		48V	6.3A			
RSD-300F-5	210W		5V	42A			
RSD-300F-12	300W	72V (50.4~93.6V)	12V	25A			
RSD-300F-24	300W		24V	12.5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) / EAC
RSD-300F-48	302W		48V	6.3A			

**SD-15**

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-15A-5			5V	3A			
SD-15A-12	15W	12V (9.2~18V)	12V	1.25A	1.5KVAC	-10~+60°C	CE / EAC
SD-15A-24			24V	0.625A			
SD-15B-5			5V	3A			
SD-15B-12	15W	24V (18~36V)	12V	1.25A	1.5KVAC	-10~+60°C	CE / EAC
SD-15B-24			24V	0.625A			
SD-15C-5			5V	3A			
SD-15C-12	15W	48V (36~72V)	12V	1.25A	1.5KVAC	-10~+60°C	CE / EAC
SD-15C-24			24V	0.625A			

SD-25

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-25A-5	25W		5V	5A			
SD-25A-12	25W	12V (9.2~18V)	12V	2.1A	1.5KVAC	-10~+60°C	CE / EAC
SD-25A-24	26W		24V	1.1A			
SD-25B-5	25W		5V	5A			
SD-25B-12	25W	24V (18~36V)	12V	2.1A	1.5KVAC	-10~+60°C	CE / EAC
SD-25B-24	26W		24V	1.1A			
SD-25C-5	25W		5V	5A			
SD-25C-12	25W	48V (36~72V)	12V	2.1A	1.5KVAC	-10~+60°C	CE / EAC
SD-25C-24	26W		24V	1.1A			

SD-50

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-50A-5			5V	10A			
SD-50A-12	50W	12V (9.2~18V)	12V	4.2A	1.5KVAC	-10~+60°C	CE / EAC
SD-50A-24			24V	2.1A			
SD-50B-5			5V	10A			
SD-50B-12	50W	24V (18~36V)	12V	4.2A	1.5KVAC	-10~+60°C	CE / EAC
SD-50B-24			24V	2.1A			
SD-50C-5			5V	10A			
SD-50C-12	50W	48V (36~72V)	12V	4.2A	1.5KVAC	-10~+60°C	CE / EAC
SD-50C-24			24V	2.1A			

■ Enclosed Type 15~1000W



▲ SD-100
199x 98x 38mm



▲ SD-150
199x 110x 50mm



▲ SD-200
215x 115x 50mm

■ SD-100

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-100A-5	100W		5V	18A			
SD-100A-12	102W	12V (9.5~18V)	12V	8.5A	1.5KVAC	-10~+60°C	CE / EAC
SD-100A-24	100W		24V	4.2A			
SD-100B-5	100W		5V	20A			
SD-100B-12	102W	24V (19~36V)	12V	8.5A	1.5KVAC	-10~+60°C	CE / EAC
SD-100B-24	100W		24V	4.2A			
SD-100C-5	100W		5V	20A			
SD-100C-12	102W	48V (36~72V)	12V	8.5A	1.5KVAC	-10~+60°C	CE / EAC
SD-100C-24	100W		24V	4.2A			
SD-100D-5	100W		5V	20A			
SD-100D-12	102W	96V, 110V (72~144V)	12V	8.5A	1.5KVAC	-10~+60°C	CE / CB / EAC
SD-100D-24	100W		24V	4.2A			

■ SD-150

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-150B-12	150W		12V	12.5A			
SD-150B-24	151W	24V (19~36V)	24V	6.3A	1.5KVAC	-10~+60°C	CE / EAC
SD-150C-12	150W		12V	12.5A			
SD-150C-24	151W	48V (36~72V)	24V	6.3A	1.5KVAC	-10~+60°C	CE / EAC
SD-150D-12	150W		12V	12.5A			
SD-150D-24	151W	96V, 110V (72~144V)	24V	6.3A	1.5KVAC	-10~+60°C	CE / CB / EAC

■ SD-200

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-200B-5	170W		5V	34A			
SD-200B-12	200W		12V	16.7A			
SD-200B-24	202W	24V (19~36V)	24V	8.4A	1.5KVAC	-20~+60°C	CE / EAC
SD-200B-48	202W		48V	4.2A			
SD-200C-5	200W		5V	40A			
SD-200C-12	200W		12V	16.7A			CE / EAC
SD-200C-24	202W	48V (36~72V)	24V	8.4A	1.5KVAC	-20~+60°C	CE / UL / EAC
SD-200C-48	202W		48V	4.2A			CE / EAC
SD-200D-5	200W		5V	40A			
SD-200D-12	200W		12V	16.7A	1.5KVAC	-20~+60°C	CE / CB / EAC
SD-200D-24	202W	96V, 110V (72~144V)	24V	8.4A			
SD-200D-48	202W		48V	4.2A			



▲ SD-350
215x 115x 50mm



▲ SD-500
215x 115x 50mm



▲ SD-1000
295x 127x 41mm

■ SD-350

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-350B-5	285W	24V (19~36V)	5V	57A	1.5KVAC	-20~+60°C	CE / EAC
SD-350B-12	330W		12V	27.5A			
SD-350B-24	350W		24V	14.6A			
SD-350B-48	350W		48V	7.3A			
SD-350C-5	300W	48V (36~72V)	5V	60A	1.5KVAC	-20~+60°C	CE / EAC
SD-350C-12	330W		12V	27.5A			
SD-350C-24	350W		24V	14.6A			
SD-350C-48	350W		48V	7.3A			
SD-350D-5	300W	96V, 110V (72~144V)	5V	60A	1.5KVAC	-20~+60°C	CE / CB / EAC
SD-350D-12	350W		12V	29.2A			
SD-350D-24	350W		24V	14.6A			
SD-350D-48	350W		48V	7.3A			

■ SD-500

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-500L-12	480W	48V (19~72V)	12V	40A	2KVAC	-20~+60°C	CE / CB / EAC
SD-500L-24	504W		24V	21A			
SD-500L-48	504W		48V	10.5A			
SD-500H-12	480W		12V	40A			
SD-500H-24	504W	96V, 110V (72~144V)	24V	21A	2KVAC	-20~+60°C	CE / CB / EAC
SD-500H-48	504W		48V	10.5A			

■ SD-1000

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SD-1000L-12	720W	48V (19~72V)	12V	60A	2KVAC	-20~+60°C	CE / CB / EAC
SD-1000L-24	960W		24V	40A			
SD-1000L-48	1008W		48V	21A			
SD-1000H-12	720W		12V	60A			
SD-1000H-24	960W	96V, 110V (72~144V)	24V	40A	2KVAC	-20~+60°C	CE / CB / EAC
SD-1000H-48	1008W		48V	21A			

DIN Rail Type



Features

- Railway & ITE applications
- 15~240W complete wattage for choice
- 2:1 or 4:1 wide input range
- Complete models from 3.3V to 48V available
- Compact size, slim width
- I/O isolated (Reinforced)
- Compliance to EN50155 railway standard (120W/240W)
- -40~+85°C ultrawide operating temperature
- DC output adjustable ($\pm 10\%$)
- Plastic case (DDR-15~60), metal case (DDR-120/240)
- 3 years warranty





▲ DDR-15
17.5x 90x 54.5 mm



▲ DDR-30
35x 90x 54.5 mm



▲ DDR-60
52.5x 90x 54.5 mm

■ DDR-15

Model No.	Wattage	Vin	Vout	Iout	Isolation Voltage	Operating Temperature	Safety
DDR-15G-3.3			3.3V	3.5A			
DDR-15G-5		12V, 24V	5V	3A			
DDR-15G-12	15W	(9~36V)	12V	1.25A	4KVDC	-40~+85°C	CE / EAC
DDR-15G-15			15V	1A			
DDR-15G-24			24V	0.63A			
DDR-15L-3.3			3.3V	4.5A			
DDR-15L-5			5V	3A			
DDR-15L-12	15W	24V, 48V	12V	1.25A	4KVDC	-40~+85°C	CE / EAC
DDR-15L-15		(18~75V)	15V	1A			
DDR-15L-24			24V	0.63A			

■ DDR-30

Model No.	Wattage	Vin	Vout	Iout	Isolation Voltage	Operating Temperature	Safety
DDR-30G-5			5V	6A			
DDR-30G-12	30W	12V, 24V	12V	2.5A			
DDR-30G-15		(9~36V)	15V	2A	4KVDC	-40~+85°C	CE / EAC
DDR-30G-24			24V	1.25A			
DDR-30L-5			5V	6A			
DDR-30L-12	30W	24V, 48V	12V	2.5A			
DDR-30L-15		(18~75V)	15V	2A	4KVDC	-40~+85°C	CE / EAC
DDR-30L-24			24V	1.25A			

■ DDR-60

Model No.	Wattage	Vin	Vout	Iout	Isolation Voltage	Operating Temperature	Safety
DDR-60G-5	54W		5V	10.8A			
DDR-60G-12		12V, 24V	12V	5A			
DDR-60G-15	60W	(9~36V)	15V	4A	4KVDC	-40~+85°C	CE / EAC
DDR-60G-24			24V	2.5A			
DDR-60L-5			5V	12A			
DDR-60L-12	60W	24V, 48V	12V	5A			
DDR-60L-15		(18~75V)	15V	4A	4KVDC	-40~+85°C	CE / EAC
DDR-60L-24			24V	2.5A			

DIN Rail Type 15~240W



▲ DDR-120
32x 125.2x 102 mm



▲ DDR-240
40x 125.2x 113.5 mm



DDR-120

Model No.	Wattage	Vin	Vout	Iout	Isolation Voltage	Operating Temperature	Safety
DDR-120A-12			12V	8.3A			
DDR-120A-24	100W	12V (9~18V)	24V	4.2A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC
DDR-120A-48			48V	2.1A			
DDR-120B-12			12V	10A			
DDR-120B-24	120W	24V (16.8~33.6V)	24V	5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC
DDR-120B-48			48V	2.5A			
DDR-120C-12			12V	10A			
DDR-120C-24	120W	48V (33.6~67.2V)	24V	5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC
DDR-120C-48			48V	2.5A			
DDR-120D-12			12V	10A			
DDR-120D-24	120W	96V, 110V (67.2~154V)	24V	5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC
DDR-120D-48			48V	2.5A			



DDR-240

Model No.	Wattage	Vin	Vout	Iout	Isolation Voltage	Operating Temperature	Safety
DDR-240B-24			24V	10A			
DDR-240B-48	240W	24V (16.8~33.6V)	48V	5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC
DDR-240C-24			24V	10A			
DDR-240C-48	240W	48V (33.6~67.2V)	48V	5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC
DDR-240D-24			24V	10A			
DDR-240D-48	240W	96V, 110V (67.2~154V)	48V	5A	4KVDC	-40~+70°C	CE (EN50155/EN55032) EAC

PCB Type



Features

- 15~45W
- Compact size & Open frame design
- 2:1 wide input range
- Single output voltage from 5V to 24V available
- I/O isolated
- Cooling by free air convection
- 2 years warranty

EAC CB CE

■ PCB Type 15~45W



▲ PSD-15
94x 49x 25mm



▲ PSD-30
101.6x 50.8x 30mm



▲ PSD-45
127x 76x 30mm

■ PSD-15

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
PSD-15A-05	15W		5V	3A			
PSD-15A-12	15W	12V (9.2~18V)	12V	1.25A	1.5KVAC	-10~+60°C	CE / EAC
PSD-15A-24	14W		24V	0.6A			
PSD-15B-05	15W		5V	3A			
PSD-15B-12	15W	24V (18~36V)	12V	1.25A	1.5KVAC	-10~+60°C	CE / EAC
PSD-15B-24	14W		24V	0.6A			
PSD-15C-05	15W		5V	3A			
PSD-15C-12	15W	48V (36~72V)	12V	1.25A	1.5KVAC	-10~+60°C	CE / EAC
PSD-15C-24	14W		24V	0.6A			

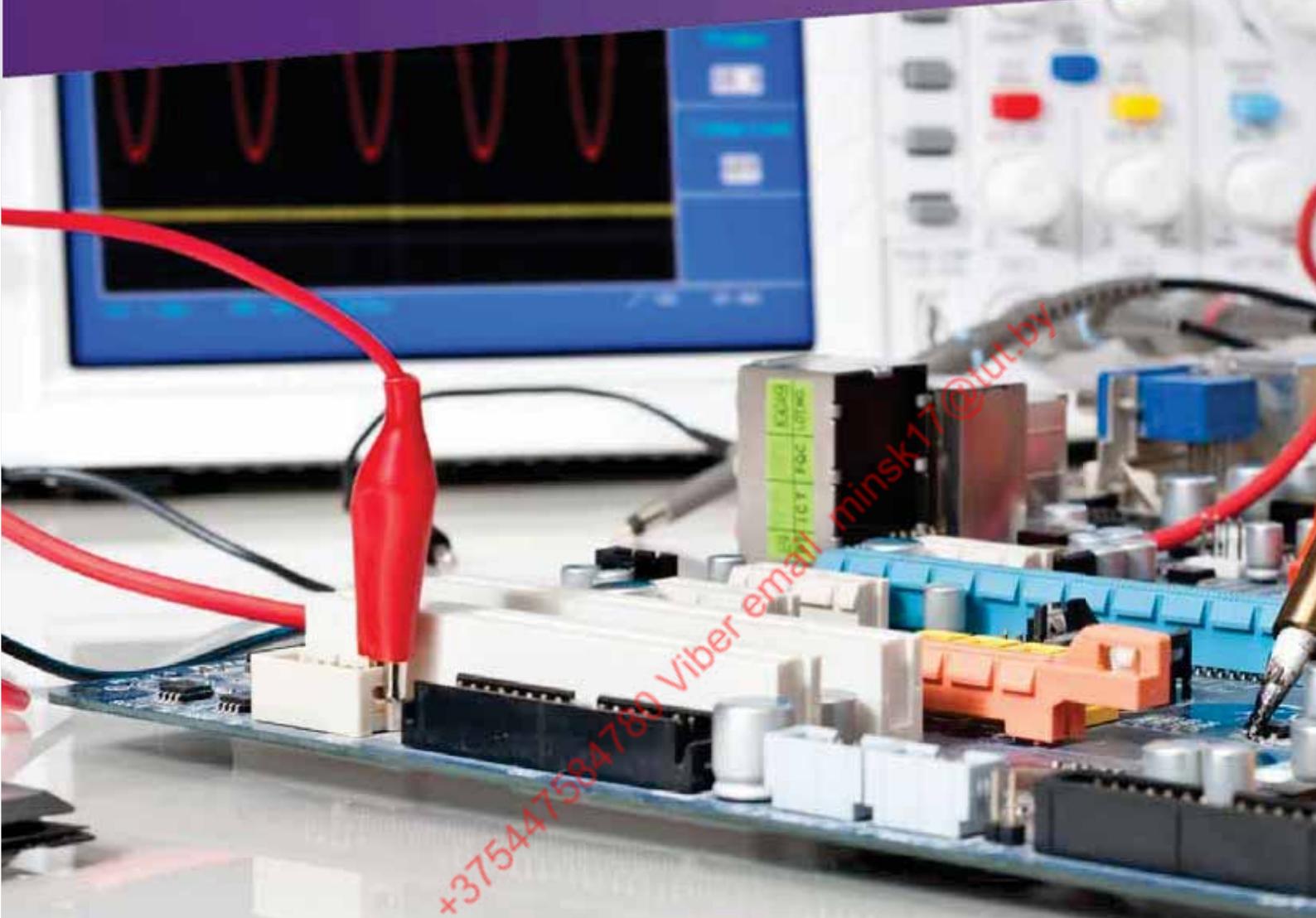
■ PSD-30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
PSD-30A-05	25W		5V	5A			
PSD-30A-12	30W	12V (9~18V)	12V	2.5A	1.5KVAC	-20~+60°C	CE / EAC
PSD-30A-24	30W		24V	1.25A			
PSD-30B-05	25W		5V	5A			
PSD-30B-12	30W	24V (18~36V)	12V	2.5A	1.5KVAC	-20~+60°C	CE / EAC
PSD-30B-24	30W		24V	1.25A			
PSD-30C-05	25W		5V	5A			
PSD-30C-12	30W	48V (36~72V)	12V	2.5A	1.5KVAC	-20~+60°C	CE / EAC
PSD-30C-24	30W		24V	1.25A			

■ PSD-45

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
PSD-45A-05			5V	6A			
PSD-45A-12	30W	12V (9.2~18V)	12V	2.5A	1.5KVAC	-10~+60°C	CB / CE / EAC
PSD-45A-24			24V	1.25A			
PSD-45B-05			5V	9A			
PSD-45B-12	45W	24V (18~36V)	12V	3.75A	1.5KVAC	-10~+60°C	CB / CE / EAC
PSD-45B-24			24V	1.875A			
PSD-45C-05			5V	9A			
PSD-45C-12	45W	48V (36~72V)	12V	3.75A	1.5KVAC	-10~+60°C	CB / CE / EAC
PSD-45C-24			24V	1.875A			

On Board Type



Features

- 5~60W
- Compact size & On board mounting design
- 3:1 or 4:1 wide input range
- Single and dual output models available
- I/O non-isolated (NID series)
- I/O isolated (NSD series)
- Cooling by free air convection
- Remote ON/OFF control, output voltage trimming
- 2 years warranty



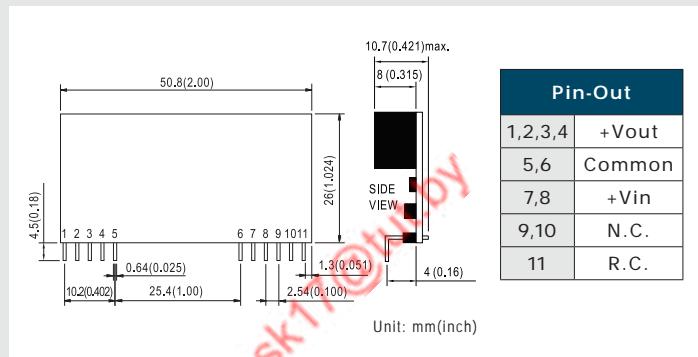
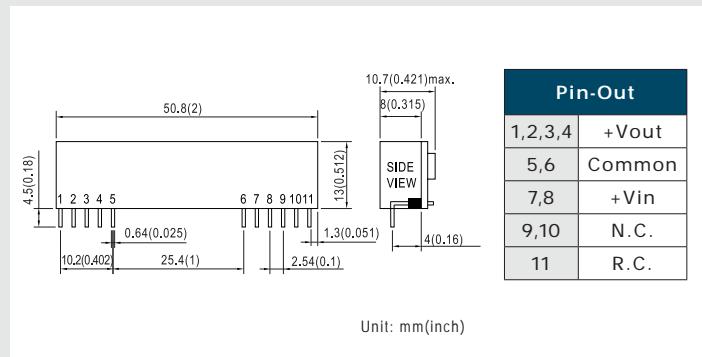
■ On Board Type 5~60W



▲ NID30
2" x 0.512" x 0.421"



▲ NID60
2" x 1.024" x 0.421"



■ NID30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NID30S24-05	12W	24V (20~53V)	5V	2.5A			
NID30S24-12	30W	24V (20~53V)	12V	2.5A			
NID30S24-15	30W	24V (20~53V)	15V	2A			
NID30S48-24	30W	48V (30~53V)	24V	1.25A			

■ NID60

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NID60S24-05	20W	24V (20~53V)	5V	4A			
NID60S24-12	48W	24V (20~53V)	12V	4A			
NID60S24-15	60W	24V (20~53V)	15V	4A			
NID60S48-24	60W	48V (30~53V)	24V	2.5A			

NID35/65/100 Series
35W/65W/100W New Generation
Non-Isolated DC/DC converter

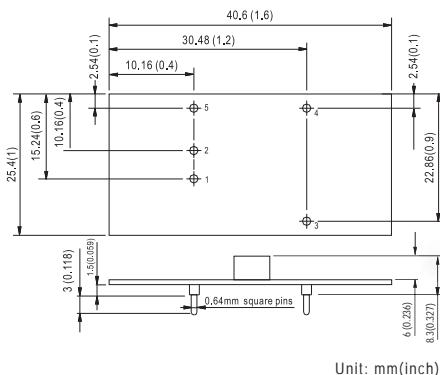
- Economical design
- 20~53Vdc wide input range
- High efficiency up to 95%
- -30~+85°C working temperature
- Built-in remote ON/OFF control, triming output (optional)
- Cooling by free air convection

Under Development

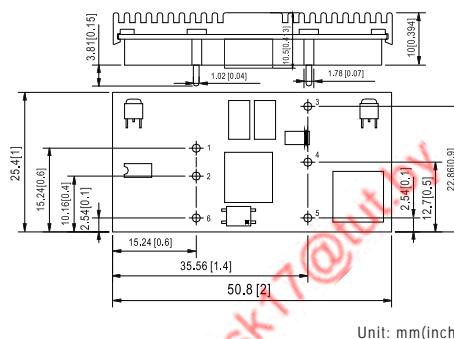
- Output models : 5V/12V/24V
- Compact size, Dimension (LxWxH) :
 35W/65W - 50.8 x 11 x 13mm ,
 100W – 50.8 x 11x 26mm
- 3 years warranty



▲ NSD05-S
1.6" x 1" x 0.327"



▲ NSD10-S
2" x 1" x 0.394"



■ NSD05-S

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NSD05-12S3	4W		3.3V	1200mA			
NSD05-12S5	5W	12V, 24V	5V	1000mA			
NSD05-12S12	5W	(9.2~36V)	12V	420mA	1KVDC	-25~+70°C	CB / CE / EAC
NSD05-12S15	5W		15V	330mA			
NSD05-48S3	4W		3.3V	1200mA			
NSD05-48S5	5W	24V, 48V	5V	1000mA			
NSD05-48S12	5W	(18~72V)	12V	420mA	1KVDC	-25~+70°C	CB / CE / EAC
NSD05-48S15	5W		15V	330mA			

■ NSD10-S

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NSD10-12S3	8W		3.3V	2500mA			
NSD10-12S5	10W		5V	2000mA			
NSD10-12S9	10W	12V, 24V (9.8~36V)	9V	1100mA	1KVDC	-25~+70°C	UL / CE / EAC
NSD10-12S12	10W		12V	830mA			
NSD10-12S15	10W		15V	670mA			
NSD10-48S3	8W		3.3V	2500mA			
NSD10-48S5	10W		5V	2000mA			
NSD10-48S9	10W	24V, 48V (22~72V)	9V	1100mA	1KVDC	-25~+70°C	UL / CE / EAC
NSD10-48S12	10W		12V	830mA			
NSD10-48S15	10W		15V	670mA			

■ On Board Type 5~60W



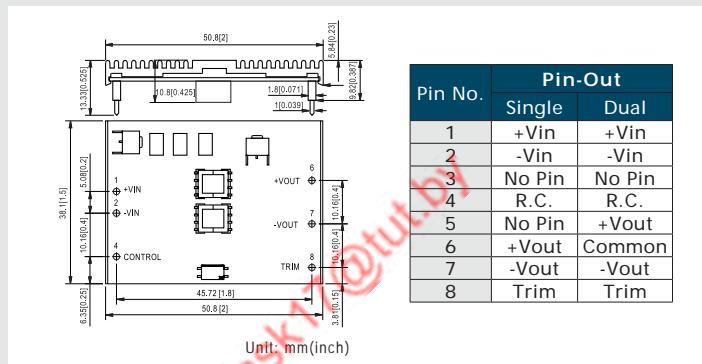
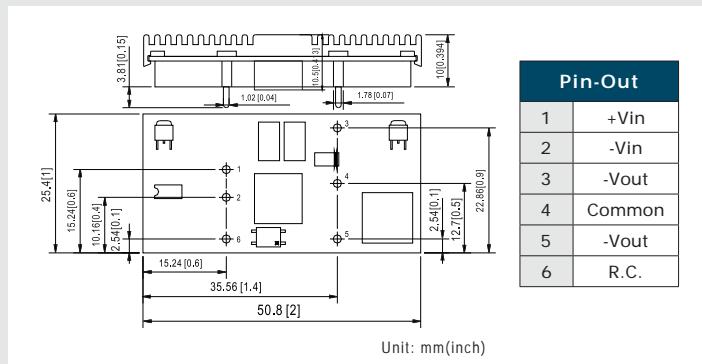
▲ NSD10-D
2" x 1" x 0.394"



▲ NSD15-S
2" x 1.5" x 0.387"



▲ NSD15-D
2" x 1.5" x 0.387"



■ NSD10-D

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NSD10-12D5			±5V	±1000mA			
NSD10-12D12	10W	12V, 24V (9.8~36V)	±12V	±420mA	1KVDC	-25~+70°C	UL / CE / EAC
NSD10-12D15			±15V	±330mA			
NSD10-48D5			±5V	±1000mA			
NSD10-48D12	10W	24V, 48V (22~72V)	±12V	±420mA	1KVDC	-25~+70°C	UL / CE / EAC
NSD10-48D15			±15V	±330mA			

■ NSD15-S

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NSD15-12S3	12W		3.3V	3750mA			
NSD15-12S5	15W	12V, 24V	5V	3000mA			
NSD15-12S12	15W	(9.4~36V)	12V	1250mA	1.5KVDC	-25~+70°C	UL / CE / EAC
NSD15-12S15	15W		15V	1000mA			
NSD15-48S3	12W		3V	3750mA			
NSD15-48S5	15W	24V, 48V	5V	3000mA	1.5KVDC	-25~+70°C	UL / CE / EAC
NSD15-48S12	15W	(18~72V)	12V	1250mA			
NSD15-48S15	15W		15V	1000mA			

■ NSD15-D

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
NSD15-12D5			±5V	±1500mA			
NSD15-12D12	15W	12V, 24V (9.4~36V)	±12V	±620mA	1.5KVDC	-25~+70°C	UL / CE / EAC
NSD15-12D15			±15V	±500mA			
NSD15-48D5			±5V	±1500mA			
NSD15-48D12	15W	24V, 48V (18~72V)	±12V	±620mA	1.5KVDC	-25~+70°C	UL / CE / EAC
NSD15-48D15			±15V	±500mA			

Module Type



Features

- 0.5~150W complete wattage
- Various packages:
 - SIP, SMD, DIP, 1"x1", 2"x 1", 2"x 2", Half-Brick
- Miniature size and extremely low profile
- ±10%, 2:1 or 4:1 input range
- Single, dual and triple output model available
- I/O isolated
- Compliance to EN50155 railway standard (RSDW/RDDW 08~20)
- Compliance to EN55032 without additional components
- -40~+90°C operating temperature
- Encapsulated type
- Cooling by free air convection
- 1~3 years warranty



■ Module Type 0.5~150W

SMD package

Unregulated 1W

±10% Vin

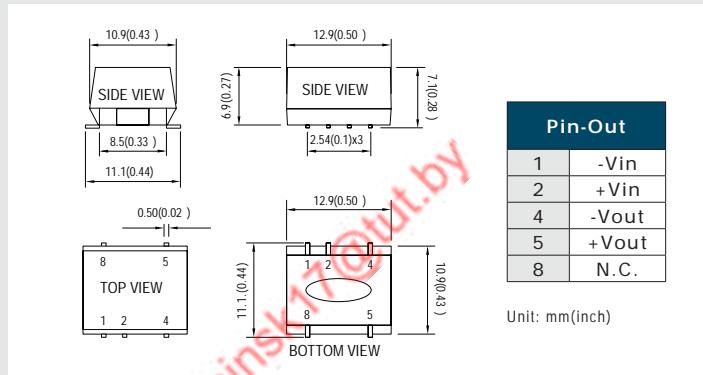
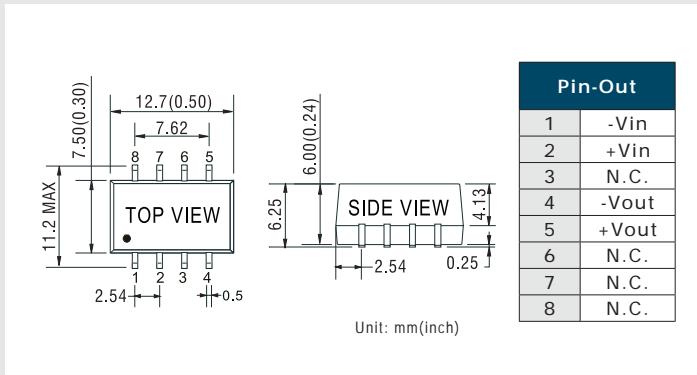
Single Vo



▲ SBT01
0.50" x 0.30" x 0.24"



▲ SBTN01
0.50" x 0.43" x 0.28"



■ SBT01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SBT01L-05			5V	200mA			
SBT01L-09			9V	111mA			
SBT01L-12	1W	5V (4.5~5.5V)	12V	84mA	1KVDC	-40~+85°C	UL
SBT01L-15			15V	67mA			
SBT01M-05			5V	200mA			
SBT01M-09			9V	111mA			
SBT01M-12	1W	12V (10.8~13.2V)	12V	84mA	1KVDC	-40~+85°C	UL
SBT01M-15			15V	67mA			

■ SBTN01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SBTN01L-05			5V	200mA			
SBTN01L-12	1W	5V (4.5~5.5V)	12V	84mA	1.5KVDC	-40~+90°C	CE / EAC
SBTN01L-15			15V	67mA			
SBTN01M-05			5V	200mA			
SBTN01M-12	1W	12V (10.8~13.2V)	12V	84mA	1.5KVDC	-40~+90°C	CE / EAC
SBTN01M-15			15V	67mA			
SBTN01N-05			5V	200mA			
SBTN01N-12	1W	24V (21.6~26.4V)	12V	84mA	1.5KVDC	-40~+90°C	CE / EAC
SBTN01N-15			15V	67mA			

► -40~+105°C operating temperature with continuous short protection (optional model for SBTN01x-xxSC).

SMD package

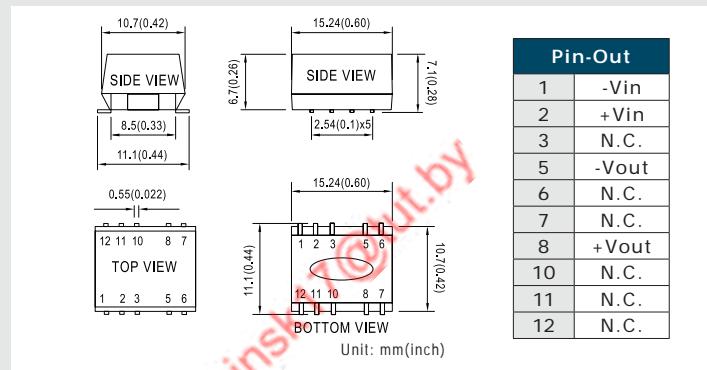
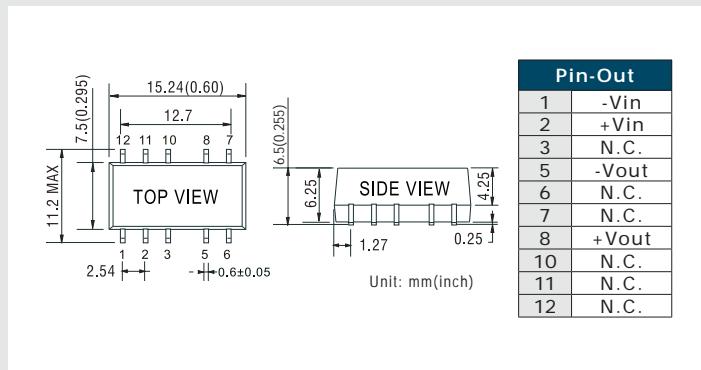
Unregulated 1W | ±10% Vin | Single Vo



▲ SFT01
0.60" x 0.295" x 0.255"



▲ SFTN01
0.60" x 0.42" x 0.28"



■ SFT01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SFT01L-05			5V	200mA			
SFT01L-09			9V	111mA			
SFT01L-12	1W	5V (4.5~5.5V)	12V	84mA	3KVDC	-40~+85°C	UL
SFT01L-15			15V	67mA			
SFT01M-05			5V	200mA			
SFT01M-12	1W	12V (10.8~13.2V)	12V	84mA	3KVDC	-40~+85°C	UL
SFT01M-15			15V	67mA			

■ SFTN01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SFTN01L-05			5V	200mA			
SFTN01L-12	1W	5V (4.5~5.5V)	12V	84mA	3KVDC	-40~+90°C	CE / EAC
SFTN01L-15			15V	67mA			
SFTN01M-05			5V	200mA			
SFTN01M-12	1W	12V (10.8~13.2V)	12V	84mA	3KVDC	-40~+90°C	CE / EAC
SFTN01M-15			15V	67mA			
SFTN01N-05			5V	200mA			
SFTN01N-12	1W	24V (21.6~26.4V)	12V	84mA	3KVDC	-40~+90°C	CE / EAC
SFTN01N-15			15V	67mA			

► -40~+100°C operating temperature with continuous short protection (optional model for SFTN01x-xxSC).

■ Module Type 0.5~150W

SMD package

Unregulated 1W

$\pm 10\%$ Vin

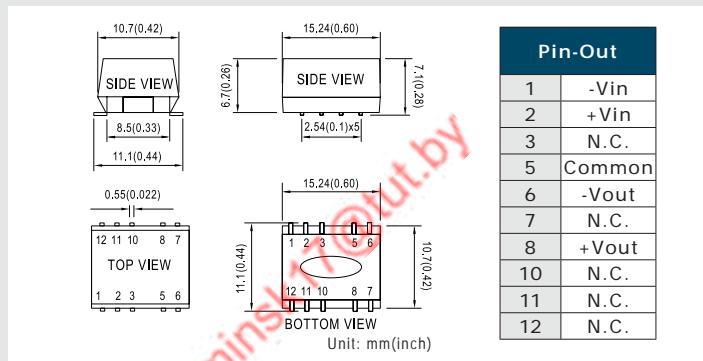
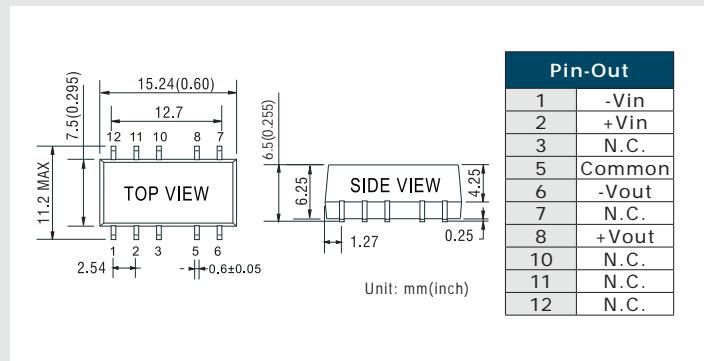
Dual Vo



▲ DETO1
0.60" x 0.295" x 0.255"



▲ DETN01
0.60" x 0.42" x 0.28"



■ DET01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DETO1L-05			$\pm 5V$	$\pm 100mA$			
DETO1L-09			$\pm 9V$	$\pm 56mA$			
DETO1L-12	1W	5V (4.5~5.5V)	$\pm 12V$	$\pm 42mA$	3KVDC	-40~+85°C	UL
DETO1L-15			$\pm 15V$	$\pm 33mA$			
DET01M-05			$\pm 5V$	$\pm 100mA$			
DET01M-09			$\pm 9V$	$\pm 56mA$			
DET01M-12	1W	12V (10.8~13.2V)	$\pm 12V$	$\pm 42mA$	3KVDC	-40~+85°C	UL
DET01M-15			$\pm 15V$	$\pm 33mA$			

■ DETN01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DETNO1L-05			$\pm 5V$	$\pm 100mA$			
DETNO1L-12	1W	5V (4.5~5.5V)	$\pm 12V$	$\pm 42mA$	3KVDC	-40~+90°C	CE / EAC
DETNO1L-15			$\pm 15V$	$\pm 34mA$			
DETNO1M-05			$\pm 5V$	$\pm 100mA$			
DETNO1M-12	1W	12V (10.8~13.2V)	$\pm 12V$	$\pm 42mA$	3KVDC	-40~+90°C	CE / EAC
DETNO1M-15			$\pm 15V$	$\pm 34mA$			
DETNO1N-05			$\pm 5V$	$\pm 100mA$			
DETNO1N-12	1W	24V (21.6~26.4V)	$\pm 12V$	$\pm 42mA$	3KVDC	-40~+90°C	CE / EAC
DETNO1N-15			$\pm 15V$	$\pm 34mA$			

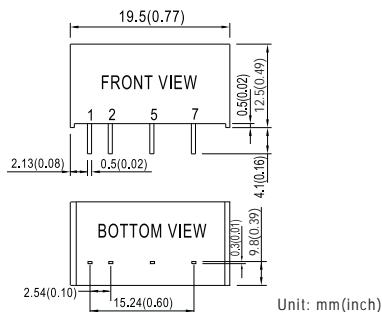
► -40~+100°C operating temperature with continuous short protection (optional model for DETN01x-xxSC).

SIP package

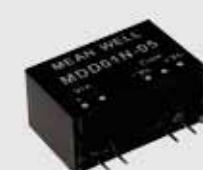
Medical grade unregulated 1W | ±10% Vin | Single/Dual Vo



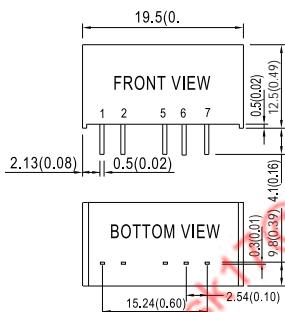
▲ MDS01
0.77" x 0.39" x 0.49"



Pin-Out	
1	+Vin
2	-Vin
5	-Vout
7	+Vout



▲ MDD01
0.77" x 0.39" x 0.49"



Pin-Out	
1	+Vin
2	-Vin
5	-Vout
6	Common
7	+Vout

■ MDS01



Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
MDS01L-03			3.3V	303mA			
MDS01L-05	1W	5V (4.5~5.5V)	5V	200mA			
MDS01L-12			12V	84mA	6KVDC	-40~+85°C	UL / CE
MDS01L-15			15V	67mA			
MDS01M-05			5V	200mA			
MDS01M-12	1W	12V (10.8~13.2V)	12V	84mA	6KVDC	-40~+85°C	UL / CE
MDS01M-15			15V	67mA			
MDS01N-05			5V	200mA			
MDS01N-12	1W	24V (21.6~26.4V)	12V	84mA	6KVDC	-40~+85°C	UL / CE
MDS01N-15			15V	67mA			

■ MDD01



Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
MDD01L-05			±5V	±100mA			
MDD01L-09	1W	5V (4.5~5.5V)	±9V	±56mA			
MDD01L-12			±12V	±42mA	6KVDC	-40~+85°C	UL / CE
MDD01L-15			±15V	±34mA			
MDD01M-05			±5V	±100mA			
MDD01M-09	1W	12V (10.8~13.2V)	±9V	±56mA			
MDD01M-12			±12V	±42mA	6KVDC	-40~+85°C	UL / CE
MDD01M-15			±15V	±34mA			
MDD01N-05			±5V	±100mA			
MDD01N-09	1W	24V (21.6~26.4V)	±9V	±56mA	6KVDC	-40~+85°C	UL / CE
MDD01N-12			±12V	±42mA			
MDD01N-15			±15V	±34mA			

■ Module Type 0.5~150W

SIP package

Medical grade unregulated 2W

| ±10% Vin

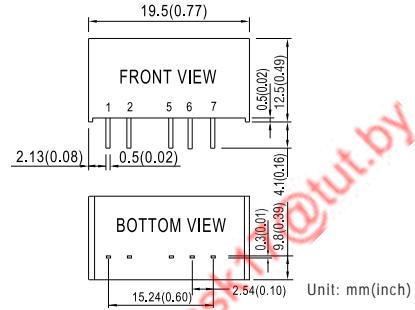
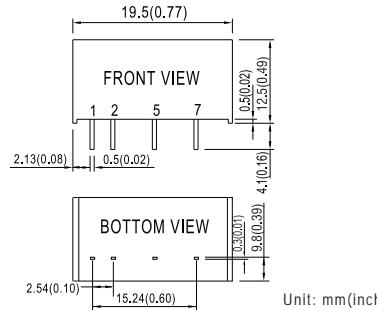
| Single/Dual Vo



▲ MDS02
0.77" x 0.39" x 0.49"



▲ MDD02
0.77" x 0.39" x 0.49"



■ MDS02



Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
MDS02L-05			5V	400mA			
MDS02L-12	2W	5V (4.5~5.5V)	12V	167mA	6KVDC	-40~+85°C	UL / CE
MDS02L-15			15V	133mA			
MDS02M-05			5V	400mA			
MDS02M-12	2W	12V (10.8~13.2V)	12V	167mA	6KVDC	-40~+85°C	UL / CE
MDS02M-15			15V	133mA			
MDS02N-05			5V	400mA			
MDS02N-12	2W	24V (21.6~26.4V)	12V	167mA	6KVDC	-40~+85°C	UL / CE
MDS02N-15			15V	133mA			

■ MDD02



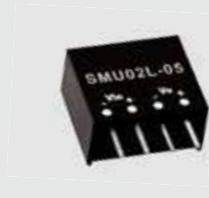
Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
MDD02L-05			±5V	±200mA			
MDD02L-09	2W	5V (4.5~5.5V)	±9V	±111mA			
MDD02L-12			±12V	±83mA	6KVDC	-40~+85°C	UL / CE
MDD02L-15			±15V	±67mA			
MDD02M-05			±5V	±200mA			
MDD02M-09	2W	12V (10.8~13.2V)	±9V	±111mA			
MDD02M-12			±12V	±83mA	6KVDC	-40~+85°C	UL / CE
MDD02M-15			±15V	±67mA			
MDD02N-05			±5V	±200mA			
MDD02N-09	2W	24V (21.6~26.4V)	±9V	±111mA	6KVDC	-40~+85°C	UL / CE
MDD02N-12			±12V	±83mA			
MDD02N-15			±15V	±67mA			

SIP package

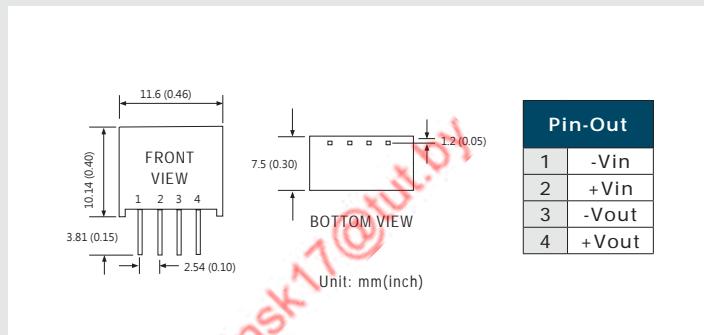
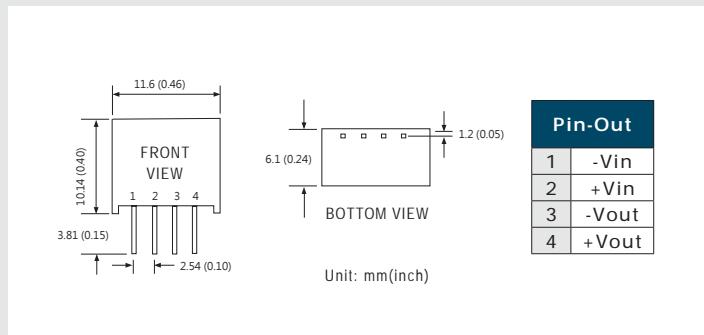
Unregulated 1W/2W | ±10% Vin | Single Vo



▲ SMU01
0.46" x 0.24" x 0.4"



▲ SMU02
0.46" x 0.3" x 0.4"



■ SMU01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SMU01L-05			5V	200mA			
SMU01L-09			9V	110mA			
SMU01L-12	1W	5V (4.5~5.5V)	12V	84mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SMU01L-15			15V	67mA			
SMU01M-05			5V	200mA			
SMU01M-09	1W	12V (10.8~13.2V)	9V	110mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SMU01M-12			12V	84mA			
SMU01M-15			15V	67mA			
SMU01N-05			5V	200mA			
SMU01N-09	1W	24V (21.6~26.4V)	9V	110mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SMU01N-12			12V	84mA			
SMU01N-15			15V	67mA			

■ SMU02

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SMU02L-05			5V	400mA			
SMU02L-12	2W	5V (4.5~5.5V)	12V	167mA	1.5KVDC	-40~+85°C	FCC / CE / EAC
SMU02L-15			15V	133mA			
SMU02M-05			5V	400mA			
SMU02M-12	2W	12V (10.8~13.2V)	12V	167mA	1.5KVDC	-40~+85°C	FCC / CE / EAC
SMU02M-15			15V	133mA			
SMU02N-05			5V	400mA			
SMU02N-12	2W	24V (21.6~26.4V)	12V	167mA	1.5KVDC	-40~+85°C	FCC / CE / EAC
SMU02N-15			15V	133mA			

■ Module Type 0.5~150W

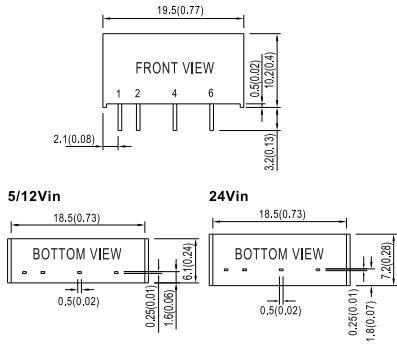
SIP package

Unregulated 1W | ±10% Vin | Single/Dual Vo



▲ SPU01

0.77" x 0.24" x 0.40" (5/12Vin)
0.77" x 0.28" x 0.40" (24Vin)



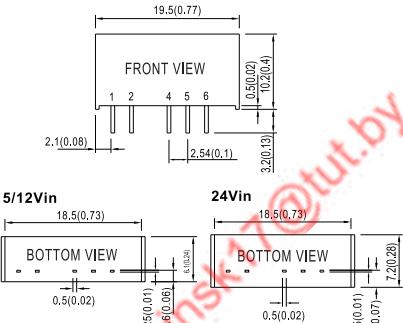
Pin-Out	
1	+Vin
2	-Vin
4	-Vout
6	+Vout

Unit: mm(inch)



▲ DPU01

0.77" x 0.24" x 0.40" (5/12Vin)
0.77" x 0.28" x 0.40" (24Vin)



Pin-Out	
1	+Vin
2	-Vin
4	-Vout
5	Common
6	+Vout

Unit: mm(inch)

■ SPU01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temp.	Safety
SPU01L-05			5V	200mA			
SPU01L-12	1W	5V (4.5~5.5V)	12V	84mA	1.5KVDC	-40~+90°C	CE / EAC
SPU01L-15			15V	67mA			
SPU01M-05			5V	200mA			
SPU01M-12	1W	12V (10.8~13.2V)	12V	84mA	1.5KVDC	-40~+90°C	CE / EAC
SPU01M-15			15V	67mA			
SPU01N-05			5V	200mA			
SPU01N-12	1W	24V (21.6~26.4V)	12V	84mA	1.5KVDC	-40~+90°C	CE / EAC
SPU01N-15			15V	67mA			

■ DPU01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temp.	Safety
DPU01L-05			±5V	±100mA			
DPU01L-12	1W	5V (4.5~5.5V)	±12V	±42mA	1.5KVDC	-40~+90°C	CE / EAC
DPU01L-15			±15V	±33mA			
DPU01M-05			±5V	±100mA			
DPU01M-12	1W	12V (10.8~13.2V)	±12V	±42mA	1.5KVDC	-40~+90°C	CE / EAC
DPU01M-15			±15V	±33mA			
DPU01N-05			±5V	±100mA			
DPU01N-12	1W	24V (21.6~26.4V)	±12V	±42mA	1.5KVDC	-40~+90°C	CE / EAC
DPU01N-15			±15V	±33mA			

SIP package

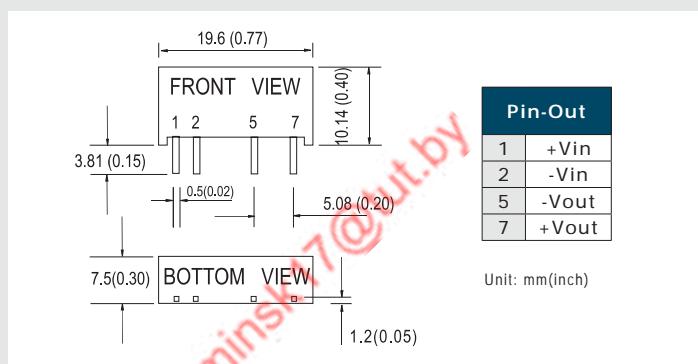
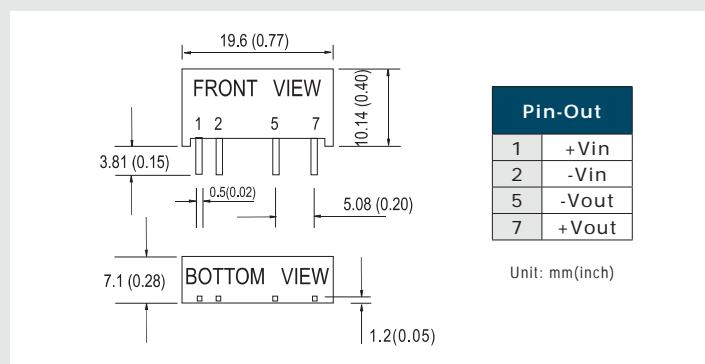
Unregulated 2W/3W | ±10% Vin | Single Vo



▲ SPU02
0.77" x 0.28" x 0.40"



▲ SPU03
0.77" x 0.30" x 0.40"

**SPU02**

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPU02L-05			5V	400mA			
SPU02L-12	2W	5V (4.5~5.5V)	12V	167mA	3KVDC	-40~+71°C	CE / FCC / EAC
SPU02L-15			15V	133mA			
SPU02M-05			5V	400mA			
SPU02M-12	2W	12V (10.8~13.2V)	12V	167mA	3KVDC	-40~+71°C	CE / FCC / EAC
SPU02M-15			15V	133mA			
SPU02N-05			5V	400mA			
SPU02N-12	2W	24V (21.6~26.4V)	12V	167mA	3KVDC	-40~+71°C	CE / FCC / EAC
SPU02N-15			15V	133mA			

SPU03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPU03L-05			5V	600mA			
SPU03L-12	3W	5V (4.5~5.5V)	12V	250mA	3KVDC	-40~+90°C	CE / FCC / EAC
SPU03L-15			15V	200mA			
SPU03M-05			5V	600mA			
SPU03M-12	3W	12V (10.8~13.2V)	12V	250mA	3KVDC	-40~+90°C	CE / FCC / EAC
SPU03M-15			15V	200mA			
SPU03N-05			5V	600mA			
SPU03N-12	3W	24V (21.6~26.4V)	12V	250mA	3KVDC	-40~+90°C	CE / FCC / EAC
SPU03N-15			15V	200mA			

■ Module Type 0.5~150W

SIP package

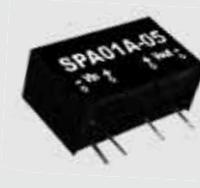
Regulated 1W

$\pm 10\%$ & 2:1 Vin

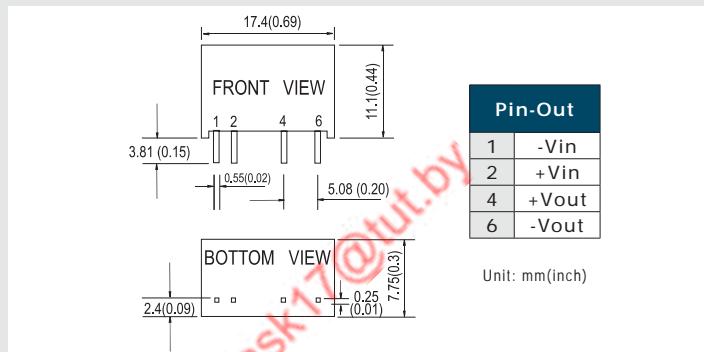
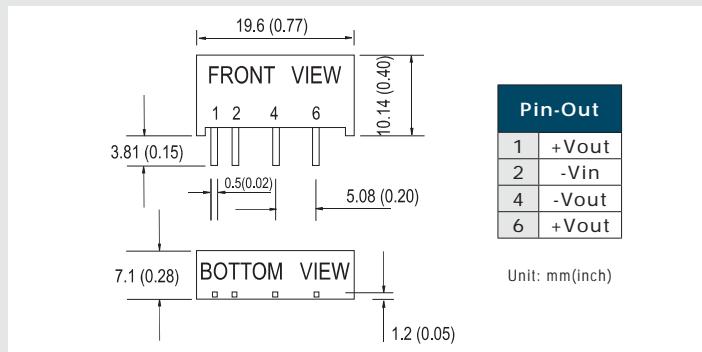
Single Vo



▲ SPR01
0.77" x 0.28" x 0.40"



▲ SPA01
0.69" x 0.3" x 0.44"



■ SPR01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temp.	Safety
SPR01L-05			5V	200mA			
SPR01L-09	1W	5V (4.5~5.5V)	9V	100mA			
SPR01L-12			12V	84mA	1KVDC	-25~+71°C	FCC / CE / EAC
SPR01L-15			15V	67mA			
SPR01M-05			5V	200mA			
SPR01M-09	1W	12V (10.8~13.2V)	9V	100mA	1KVDC	-25~+71°C	FCC / CE / EAC
SPR01M-12			12V	84mA			
SPR01M-15			15V	67mA			
SPR01N-05			5V	200mA			
SPR01N-09	1W	24V (21.6~26.4V)	9V	100mA	1KVDC	-25~+71°C	FCC / CE / EAC
SPR01N-12			12V	84mA			
SPR01N-15			15V	67mA			
SPR01O-05			5V	200mA			
SPR01O-09	1W	48V (43.2~52.8V)	9V	100mA	1KVDC	-25~+71°C	FCC / CE / EAC
SPR01O-12			12V	84mA			
SPR01O-15			15V	67mA			

■ SPA01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temp.	Safety
SPA01A-05			5V	200mA			
SPA01A-12	1W	12V (9~18V)	12V	83mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SPA01A-15			15V	67mA			
SPA01B-05			5V	200mA			
SPA01B-12	1W	24V (18~36V)	12V	83mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SPA01B-15			15V	67mA			
SPA01C-05			5V	200mA			
SPA01C-12	1W	48V (36~72V)	12V	83mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SPA01C-15			15V	67mA			

SIP package

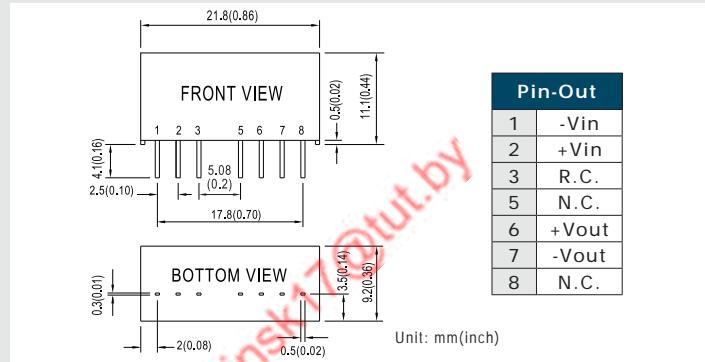
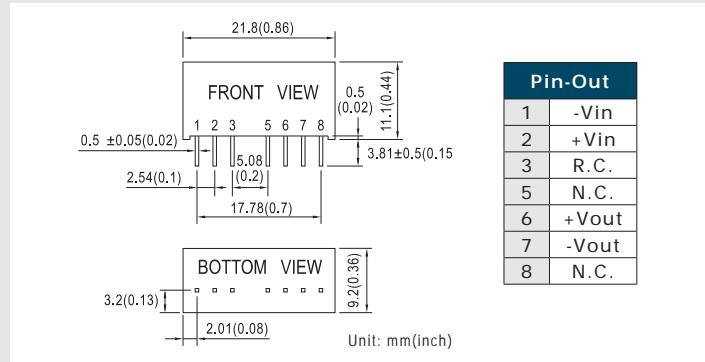
Regulated 2W | 2:1 Vin | Single Vo



▲ SPA02
0.86" x 0.36" x 0.44"



▲ SPAN02
0.86" x 0.36" x 0.44"

**SPA02**

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPA02E-05			5V	400mA			
SPA02E-12	2W	5V (4.5~9V)	12V	150mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPA02E-15			15V	120mA			
SPA02A-05			5V	400mA			
SPA02A-12	2W	12V (9~18V)	12V	167mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPA02A-15			15V	134mA			
SPA02B-05			5V	400mA			
SPA02B-12	2W	24V (18~36V)	12V	167mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPA02B-15			15V	134mA			
SPA02C-05			5V	400mA			
SPA02C-12	2W	48V (36~72V)	12V	167mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPA02C-15			15V	134mA			

SPAN02

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPAN02E-03			3.3V	500mA			
SPAN02E-05	2W	5V (4.5~9V)	5V	400mA	1.5KVDC	-40~+90°C	CE / EAC
SPAN02E-12			12V	167mA			
SPAN02E-15			15V	134mA			
SPAN02A-03			3.3V	500mA			
SPAN02A-05	2W	12V (9~18V)	5V	400mA	1.5KVDC	-40~+90°C	CE / EAC
SPAN02A-12			12V	167mA			
SPAN02A-15			15V	134mA			
SPAN02B-03			3.3V	500mA			
SPAN02B-05	2W	24V (18~36V)	5V	400mA	1.5KVDC	-40~+90°C	CE / EAC
SPAN02B-12			12V	167mA			
SPAN02B-15			15V	134mA			
SPAN02C-03			3.3V	500mA			
SPAN02C-05	2W	48V (36~75V)	5V	400mA	1.5KVDC	-40~+90°C	CE / EAC
SPAN02C-12			12V	167mA			
SPAN02C-15			15V	134mA			

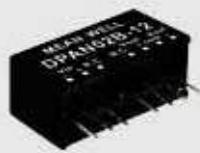
■ Module Type 0.5~150W

SIP package

Regulated 2W/3W

| 2:1 Vin

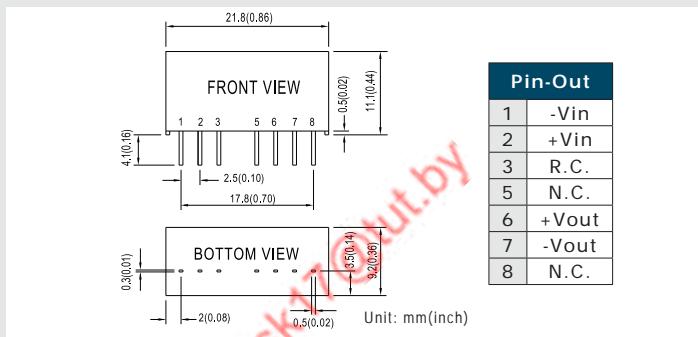
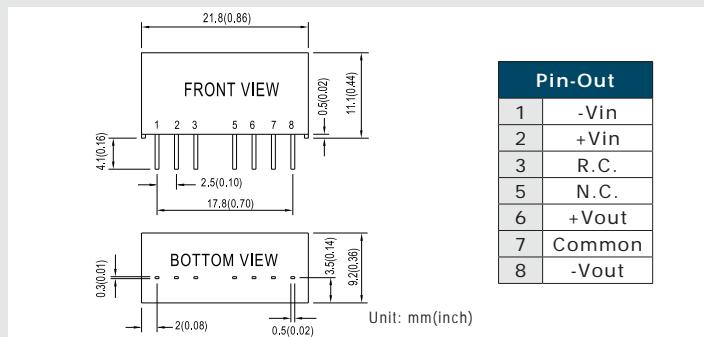
| Single/Dual Vo



▲ DPAN02
0.86" x 0.36" x 0.44"



▲ SPB03
0.86" x 0.36" x 0.44"



■ DPAN02

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DPAN02E-05			±5V	±200mA			
DPAN02E-12	2W	5V (4.5~9V)	±12V	±83mA	1.5KVDC	-40~+90°C	CE / EAC
DPAN02E-15			±15V	±67mA			
DPAN02A-05			±5V	±200mA			
DPAN02A-12	2W	12V (9~18V)	±12V	±83mA	1.5KVDC	-40~+90°C	CE / EAC
DPAN02A-15			±15V	±67mA			
DPAN02B-05			±5V	±200mA			
DPAN02B-12	2W	24V (18~36V)	±12V	±83mA	1.5KVDC	-40~+90°C	CE / EAC
DPAN02B-15			±15V	±67mA			
DPAN02C-05			±5V	±200mA			
DPAN02C-12	2W	48V (36~75V)	±12V	±83mA	1.5KVDC	-40~+90°C	CE / EAC
DPAN02C-15			±15V	±67mA			

■ SPB03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPB03E-05			5V	600mA			
SPB03E-12	3W	5V (4.5~9V)	12V	250mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPB03E-15			15V	200mA			
SPB03A-05			5V	600mA			
SPB03A-12	3W	12V (9~18V)	12V	250mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPB03A-15			15V	200mA			
SPB03B-05			5V	600mA			
SPB03B-12	3W	24V (18~36V)	12V	250mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPB03B-15			15V	200mA			
SPB03C-05			5V	600mA			
SPB03C-12	3W	48V (36~72V)	12V	250mA	1KVDC	-40~+85°C	FCC / CE / EAC
SPB03C-15			15V	200mA			

SIP package

Regulated 3W

4:1 Vin

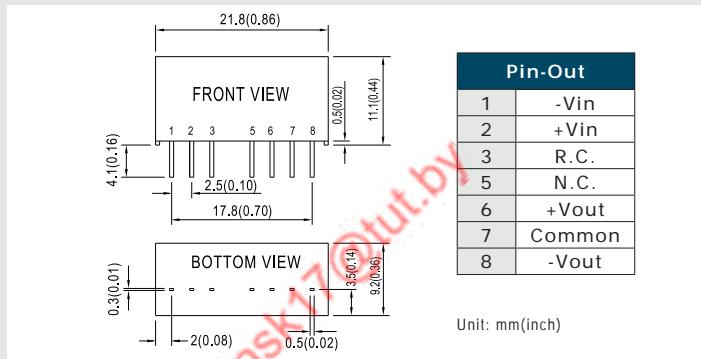
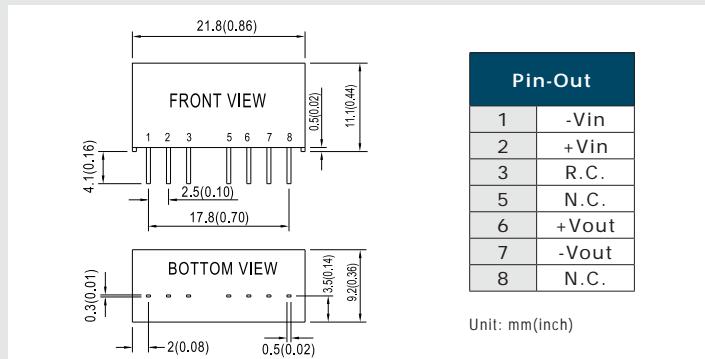
Single/Dual Vo



▲ SPBW03
0.86" x 0.36" x 0.44"



▲ DPBW03
0.86" x 0.36" x 0.44"



■ SPBW03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPBW03F-03			3.3V	700mA			
SPBW03F-05	3W	12V, 24V (9~36V)	5V	600mA			
SPBW03F-12			12V	250mA	1.5KVDC	-40~+85°C	CE / EAC
SPBW03F-15			15V	200mA			
SPBW03G-03			3V	700mA			
SPBW03G-05	3W	24V, 48V (18~75V)	5V	600mA	1.5KVDC	-40~+85°C	CE / EAC
SPBW03G-12			12V	250mA			
SPBW03G-15			15V	200mA			

■ DPBW03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DPBW03F-05			±5V	±300mA			
DPBW03F-12	3W	12V, 24V (9~36V)	±12V	±125mA	1.5KVDC	-40~+85°C	CE / EAC
DPBW03F-15			±15V	±100mA			
DPBW03G-05			±5V	±300mA			
DPBW03G-12	3W	24V, 48V (18~75V)	±12V	±125mA	1.5KVDC	-40~+85°C	CE / EAC
DPBW03G-15			±15V	±100mA			

■ Module Type 0.5~150W

SIP package

Regulated 5W/6W | 2:1/4:1 Vin | Single/Dual Vo



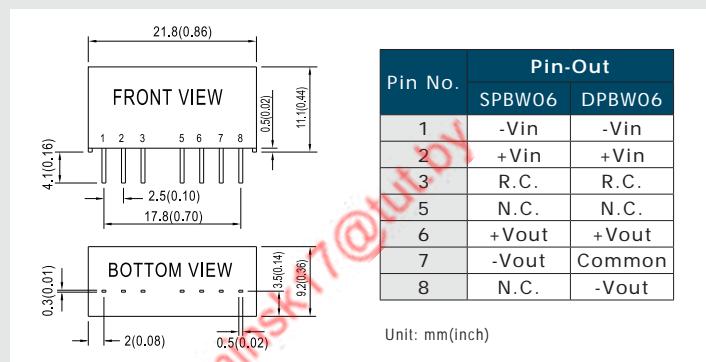
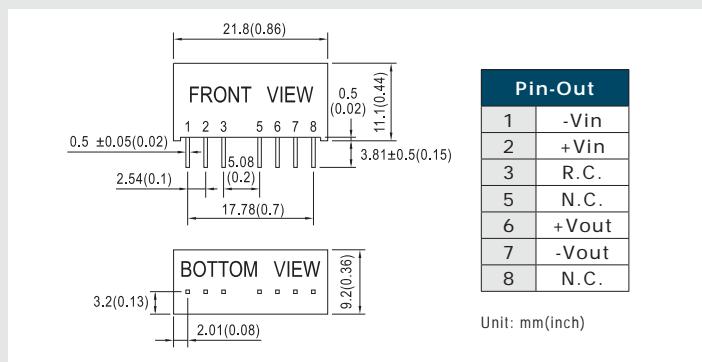
▲ SPB05
0.86" x 0.36" x 0.44"



▲ SPBW06
0.86" x 0.36" x 0.44"



▲ DPBW06
0.86" x 0.36" x 0.44"



■ SPB05

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPB05A-05			5V	1000mA			
SPB05A-12	5W	12V (9~18V)	12V	417mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SPB05A-15			15V	333mA			
SPB05B-05			5V	1000mA			
SPB05B-12	5W	24V (18~36V)	12V	417mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SPB05B-15			15V	333mA			
SPB05C-05			5V	1000mA			
SPB05C-12	5W	48V (36~72V)	12V	417mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SPB05C-15			15V	333mA			

■ SPBW06

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SPBW06F-03			3.3V	1500mA			
SPBW06F-05	6W	12V, 24V	5V	1200mA			
SPBW06F-12		(9~36V)	12V	500mA	1.5KVDC	-40~+85°C	CE / EAC
SPBW06F-15			15V	400mA			
SPBW06G-03			3.3V	1500mA			
SPBW06G-05	6W	24V, 48V	5V	1200mA			
SPBW06G-12		(18~75V)	12V	500mA	1.5KVDC	-40~+85°C	CE / EAC
SPBW06G-15			15V	400mA			

■ DPBW06

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DPBW06F-05			±5V	±600mA			
DPBW06F-12	6W	12V, 24V	±12V	±250mA	1.5KVDC	-40~+85°C	CE / EAC
DPBW06F-15		(9~36V)	±15V	±200mA			
DPBW06G-05			±5V	±600mA			
DPBW06G-12	6W	24V, 48V	±12V	±250mA	1.5KVDC	-40~+85°C	CE / EAC
DPBW06G-15		(18~75V)	±15V	±200mA			

DIP16 package

Unregulated 0.5W/1W

±10% Vin

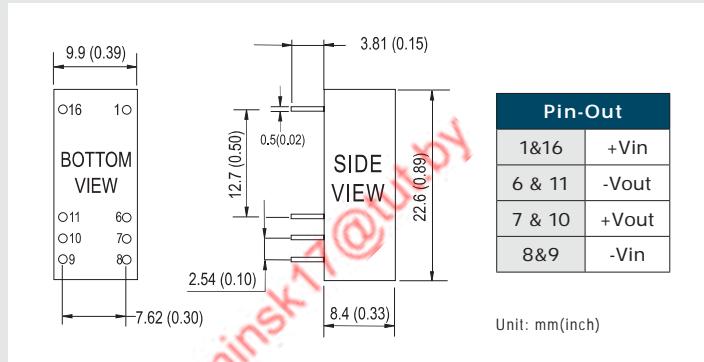
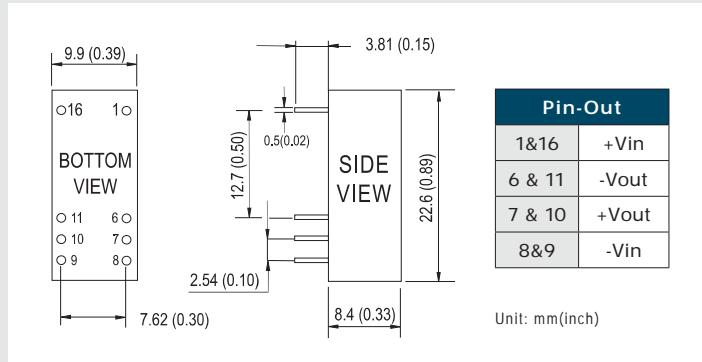
Single Vo



▲ SRS
0.89" x 0.39" x 0.33"



▲ SUS01
0.89" x 0.39" x 0.33"



SRS

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SRS-0505			5V	100mA			
SRS-0509	0.5W	5V (4.5~5.5V)	9V	56mA			
SRS-0512			12V	42mA	1KVDC	-25~+71°C	FCC / CE / EAC
SRS-0515			15V	34mA			
SRS-1205			5V	100mA			
SRS-1209	0.5W	12V (10.8~13.2V)	9V	56mA	1KVDC	-25~+71°C	FCC / CE / EAC
SRS-1212			12V	42mA			
SRS-1215			15V	34mA			
SRS-2405			5V	100mA			
SRS-2409	0.5W	24V (21.6~26.4V)	9V	56mA	1KVDC	-25~+71°C	FCC / CE / EAC
SRS-2412			12V	42mA			
SRS-2415			15V	34mA			
SRS-4805			5V	100mA			
SRS-4809	0.5W	48V (43.2~52.8V)	9V	56mA	1KVDC	-25~+71°C	FCC / CE / EAC
SRS-4812			12V	42mA			
SRS-4815			15V	34mA			

SUS01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SUS01L-05			5V	200mA			
SUS01L-09	1W	5V (4.5~5.5V)	9V	111mA	1KVDC	-25~+71°C	FCC / CE / EAC
SUS01L-12			12V	84mA			
SUS01L-15			15V	67mA			
SUS01M-05			5V	200mA			
SUS01M-09	1W	12V (10.8~13.2V)	9V	111mA	1KVDC	-25~+71°C	FCC / CE / EAC
SUS01M-12			12V	84mA			
SUS01M-15			15V	67mA			
SUS01N-05			5V	200mA			
SUS01N-09	1W	24V (21.6~26.4V)	9V	111mA	1KVDC	-25~+71°C	FCC / CE / EAC
SUS01N-12			12V	84mA			
SUS01N-15			15V	67mA			
SUS01O-05			5V	200mA			
SUS01O-09	1W	48V (43.2~52.8V)	9V	111mA	1KVDC	-25~+71°C	FCC / CE / EAC
SUS01O-12			12V	84mA			
SUS01O-15			15V	67mA			

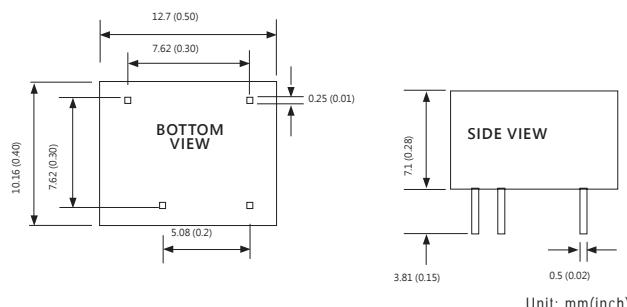
■ Module Type 0.5~150W

DIP7 package

Unregulated 1W | ±10% Vin | Single Vo



▲ SMA01
0.50" x 0.40" x 0.28"



■ SMA01

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SMA01L-05			5V	200mA			
SMA01L-09			9V	110mA			
SMA01L-12	1W	5V (4.5~5.5V)	12V	84mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SMA01L-15			15V	67mA			
SMA01M-05			5V	200mA			
SMA01M-09			9V	110mA			
SMA01M-12	1W	12V (10.8~13.2V)	12V	84mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SMA01M-15			15V	67mA			
SMA01N-05			5V	200mA			
SMA01N-09			9V	110mA			
SMA01N-12	1W	24V (21.6~26.4V)	12V	84mA	1.5KVDC	-40~+90°C	FCC / CE / EAC
SMA01N-15			15V	67mA			

DIP16 package

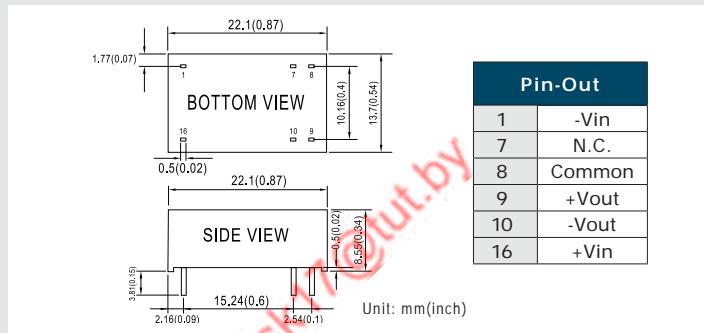
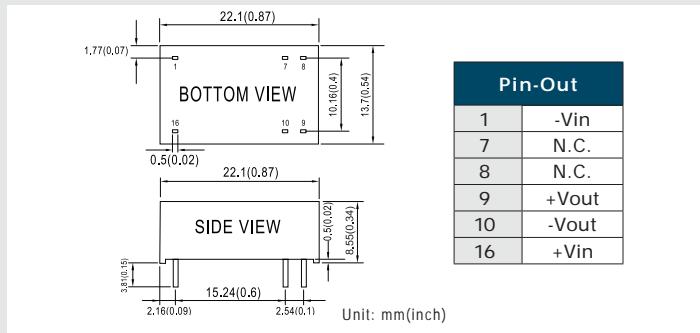
Regulated 3W | 2:1 Vin | Single/Dual Vo | Small size and low profile



▲ SLC03
0.87" x 0.54" x 0.34"



▲ DLC03
0.87" x 0.54" x 0.34"



■ SLC03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SLC03A-05			5V	600mA			
SLC03A-12	3W	12V (9~18V)	12V	250mA	1.5KVDC	-40~+85°C	CE / EAC
SLC03A-15			15V	200mA			
SLC03B-05			5V	600mA			
SLC03B-12	3W	24V (18~36V)	12V	250mA	1.5KVDC	-40~+85°C	CE / EAC
SLC03B-15			15V	200mA			
SLC03C-05			5V	600mA			
SLC03C-12	3W	48V (36~75V)	12V	250mA	1.5KVDC	-40~+85°C	CE / EAC
SLC03C-15			15V	200mA			

■ DLC03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DLC03A-05			±5V	±300mA			
DLC03A-12	3W	12V (9~18V)	±12V	±125mA	1.5KVDC	-40~+85°C	CE / EAC
DLC03A-15			±15V	±100mA			
DLC03B-05			±5V	±300mA			
DLC03B-12	3W	24V (18~36V)	±12V	±125mA	1.5KVDC	-40~+85°C	CE / EAC
DLC03B-15			±15V	±100mA			
DLC03C-05			±5V	±300mA			
DLC03C-12	3W	48V (36~75V)	±12V	±125mA	1.5KVDC	-40~+85°C	CE / EAC
DLC03C-15			±15V	±100mA			

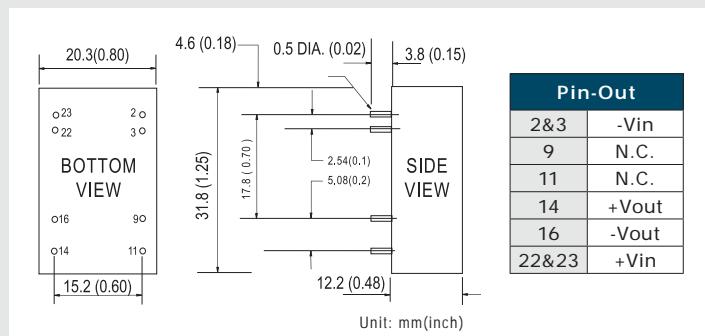
■ Module Type 0.5~150W

DIP24 package

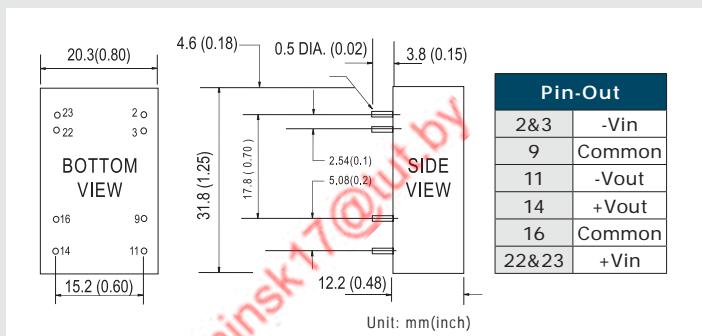
Regulated 3W | 2:1 Vin | Single/Dual Vo



▲ SCW03
1.25" x 0.8" x 0.48"



▲ DCW03
1.25" x 0.8" x 0.48"



■ SCW03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCW03A-05			5V	600mA			
SCW03A-12	3W	12V (9~18V)	12V	250mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW03A-15			15V	200mA			
SCW03B-05			5V	600mA			
SCW03B-12	3W	24V (18~36V)	12V	250mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW03B-15			15V	200mA			
SCW03C-05			5V	600mA			
SCW03C-12	3W	48V (36~72V)	12V	250mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW03C-15			15V	200mA			

■ DCW03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DCW03A-05			±5V	±300mA			
DCW03A-12	3W	12V (9~18V)	±12V	±125mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW03A-15			±15V	±100mA			
DCW03B-05			±5V	±300mA			
DCW03B-12	3W	24V (18~36V)	±12V	±125mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW03B-15			±15V	±100mA			
DCW03C-05			±5V	±300mA			
DCW03C-12	3W	48V (36~72V)	±12V	±125mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW03C-15			±15V	±100mA			

DIP24 package

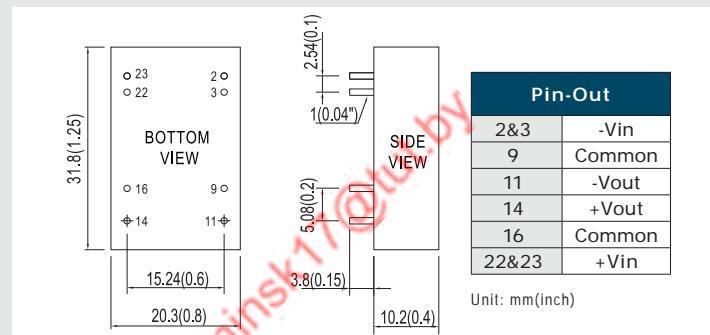
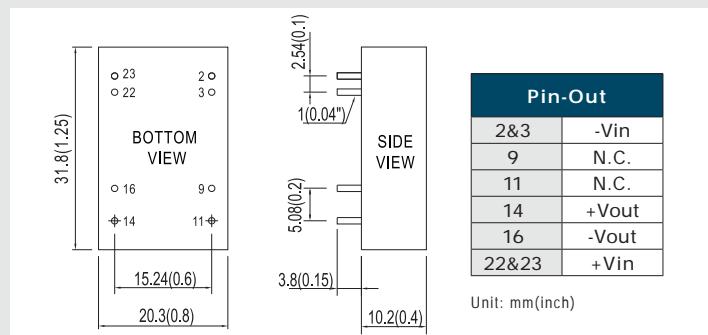
Regulated 3W | 2:1 Vin | Single/Dual Vo



▲ SCWN03
1.25" x 0.80" x 0.40"



▲ DCWN03
1.25" x 0.80" x 0.40"



■ SCWN03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCWN03E-03			3.3V	600mA			
SCWN03E-05	3W	5V(4.5~9V)	5V	600mA			
SCWN03E-12			12V	250mA	3KVDC	-40~+90°C	CE / EAC
SCWN03E-15			15V	200mA			
SCWN03A-03			3.3V	600mA			
SCWN03A-05	3W	12V(9~18V)	5V	600mA	3KVDC	-40~+90°C	CE / EAC
SCWN03A-12			12V	250mA			
SCWN03A-15			15V	200mA			
SCWN03B-03			3.3V	600mA			
SCWN03B-05	3W	24V(18~36V)	5V	600mA	3KVDC	-40~+90°C	CE / EAC
SCWN03B-12			12V	250mA			
SCWN03B-15			15V	200mA			
SCWN03C-03			3.3V	600mA			
SCWN03C-05	3W	48V(36~72V)	5V	600mA	3KVDC	-40~+90°C	CE / EAC
SCWN03C-12			12V	250mA			
SCWN03C-15			15V	200mA			

■ DCWN03

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DCWN03E-05			±5V	±300mA			
DCWN03E-12	3W	5V(4.5~9V)	±12V	±125mA	3KVDC	-40~+90°C	CE / EAC
DCWN03E-15			±15V	±100mA			
DCWN03A-05			±5V	±300mA			
DCWN03A-12	3W	12V(9~18V)	±12V	±125mA	3KVDC	-40~+90°C	CE / EAC
DCWN03A-15			±15V	±100mA			
DCWN03B-05			±5V	±300mA			
DCWN03B-12	3W	24V(18~36V)	±12V	±125mA	3KVDC	-40~+90°C	CE / EAC
DCWN03B-15			±15V	±100mA			
DCWN03C-05			±5V	±300mA			
DCWN03C-12	3W	48V(36~72V)	±12V	±125mA	3KVDC	-40~+90°C	CE / EAC
DCWN03C-15			±15V	±100mA			

■ Module Type 0.5~150W

DIP24 package

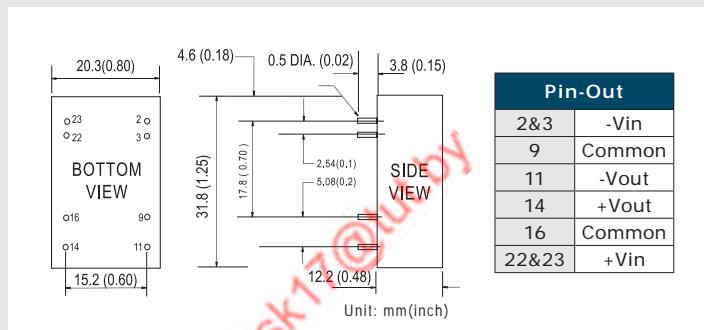
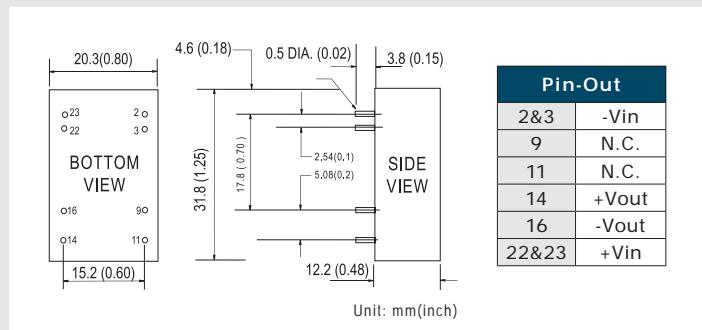
Regulated 5W | 2:1 Vin | Single/Dual Vo



▲ SCW05
1.25" x 0.80" x 0.48"



▲ DCW05
1.25" x 0.80" x 0.48"



■ SCW05

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCW05A-05	5W		5V	1000mA			
SCW05A-09	5W	12V (9~18V)	9V	556mA			
SCW05A-12	6W		12V	470mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW05A-15	6W		15V	400mA			
SCW05B-05	5W		5V	1000mA			
SCW05B-09	5W	24V (18~36V)	9V	556mA			
SCW05B-12	6W		12V	470mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW05B-15	6W		15V	400mA			
SCW05C-05	5W		5V	1000mA			
SCW05C-09	5W	48V (36~72V)	9V	556mA			
SCW05C-12	6W		12V	470mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW05C-15	6W		15V	400mA			

■ DCW05

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DCW05A-05	5W		±5V	±500mA			
DCW05A-12	6W	12V (9~18V)	±12V	±230mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW05A-15	6W		±15V	±190mA			
DCW05B-05	5W		±5V	±500mA			
DCW05B-12	6W	24V (18~36V)	±12V	±230mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW05B-15	6W		±15V	±190mA			
DCW05C-05	5W		±5V	±500mA			
DCW05C-12	6W	48V (36~72V)	±12V	±230mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW05C-15	6W		±15V	±190mA			

DIP24 package

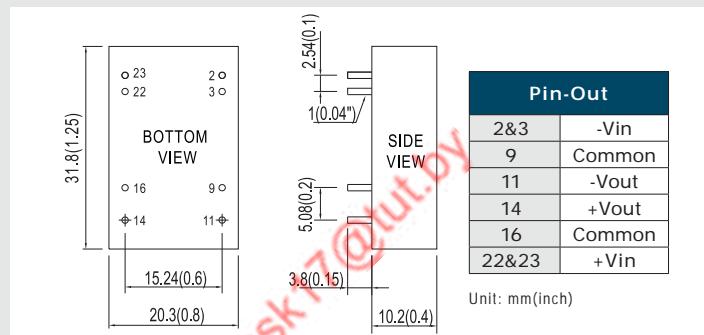
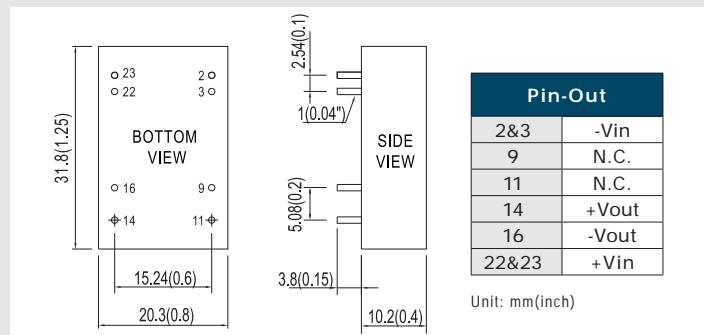
Regulated 6W | 2:1 Vin | Single/Dual Vo



▲ SCWN06
1.25" x 0.80" x 0.40"



▲ DCWN06
1.25" x 0.80" x 0.40"



■ SCWN06

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCWN06A-03			3.3V	1200mA			
SCWN06A-05			5V	1000mA			
SCWN06A-12	6W	12V(9~18V)	12V	500mA	3KVDC	-40~+90°C	CE / EAC
SCWN06A-15			15V	400mA			
SCWN06B-03			3.3V	600mA			
SCWN06B-05	6W	24V(18~36V)	5V	600mA	3KVDC	-40~+90°C	CE / EAC
SCWN06B-12			12V	250mA			
SCWN06B-15			15V	200mA			
SCWN06C-03			3.3V	1200mA			
SCWN06C-05	6W	48V(36~72V)	5V	1000mA	3KVDC	-40~+90°C	CE / EAC
SCWN06C-12			12V	500mA			
SCWN06C-15			15V	400mA			

■ DCWN06

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DCWN06A-05			±5V	±500mA			
DCWN06A-12	6W	12V(9~18V)	±12V	±250mA	3KVDC	-40~+90°C	CE / EAC
DCWN06A-15			±15V	±200mA			
DCWN06B-05			±5V	±500mA			
DCWN06B-12	6W	24V(18~36V)	±12V	±250mA	3KVDC	-40~+90°C	CE / EAC
DCWN06B-15			±15V	±200mA			
DCWN06C-05			±5V	±500mA			
DCWN06C-12	6W	48V(36~72V)	±12V	±250mA	3KVDC	-40~+90°C	CE / EAC
DCWN06C-15			±15V	±200mA			

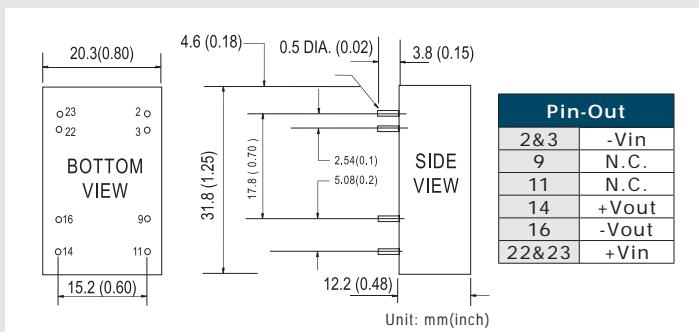
■ Module Type 0.5~150W

DIP24 package

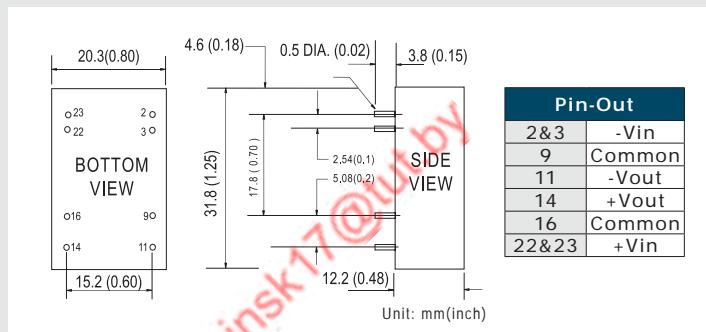
Regulated 8W | 2:1 Vin | Single/Dual Vo



▲ SCW08
1.25" x 0.8" x 0.48"



▲ DCW08
1.25" x 0.8" x 0.48"



■ SCW08

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCW08A-05			5V	1600mA			
SCW08A-12	8W	12V (9~18V)	12V	670mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW08A-15			15V	533mA			
SCW08B-05			5V	1600mA			
SCW08B-12	8W	24V (18~36V)	12V	670mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW08B-15			15V	533mA			
SCW08C-05			5V	1600mA			
SCW08C-12	8W	48V (36~72V)	12V	670mA	1KVDC	-40~+71°C	FCC / CE / EAC
SCW08C-15			15V	533mA			

■ DCW08

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DCW08A-05			±5V	±800mA			
DCW08A-12	8W	12V (9~18V)	±12V	±335mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW08A-15			±15V	±267mA			
DCW08B-05			±5V	±800mA			
DCW08B-12	8W	24V (18~36V)	±12V	±335mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW08B-15			±15V	±267mA			
DCW08C-05			±5V	±800mA			
DCW08C-12	8W	48V (36~72V)	±12V	±335mA	1KVDC	-40~+71°C	FCC / CE / EAC
DCW08C-15			±15V	±267mA			

DIP24 package

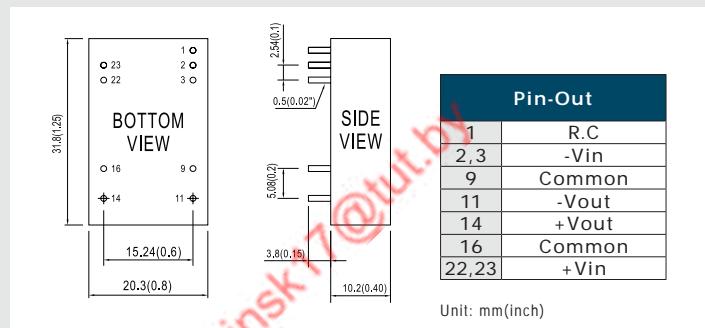
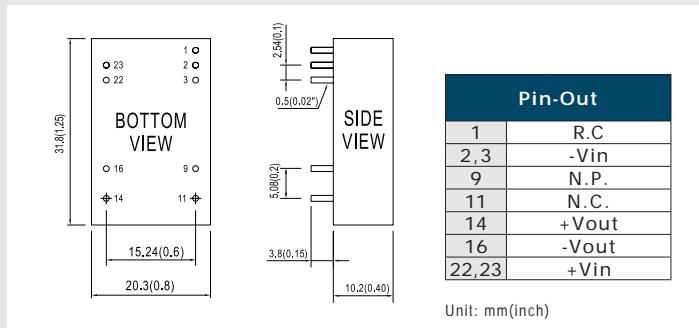
Regulated 8W | 4:1 Vin | Single/Dual Vo



▲ RSDW08
1.25" x 0.8" x 0.40"



▲ RDDW08
1.25" x 0.8" x 0.40"

**RSDW08**

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSDW08F-03			3.3V	2000mA			
RSDW08F-05	8W	12V, 24V (9~36V)	5V	1600mA			CE
RSDW08F-12			12V	666mA	1.5KVDC	-40~+85°C	(EN50155/EN55032) EAC
RSDW08F-15			15V	530mA			
RSDW08G-03			3.3V	2000mA			
RSDW08G-05	8W	24V, 48V (18~75V)	5V	1600mA			CE
RSDW08G-12			12V	666mA	1.5KVDC	-40~+85°C	(EN50155/EN55032) EAC
RSDW08G-15			15V	530mA			

RDDW08

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RDDW08F-05			±5V	±800mA			
RDDW08F-12	8W	12V, 24V (9~36V)	±12V	±333mA	1.5KVDC	-40~+85°C	CE (EN50155/EN55032) EAC
RDDW08F-15			±15V	±265mA			
RDDW08G-05			±5V	±800mA			
RDDW08G-12	8W	24V, 48V (18~75V)	±12V	±333mA	1.5KVDC	-40~+85°C	CE (EN50155/EN55032) EAC
RDDW08G-15			±15V	±265mA			

■ Module Type 0.5~150W

DIP24 package

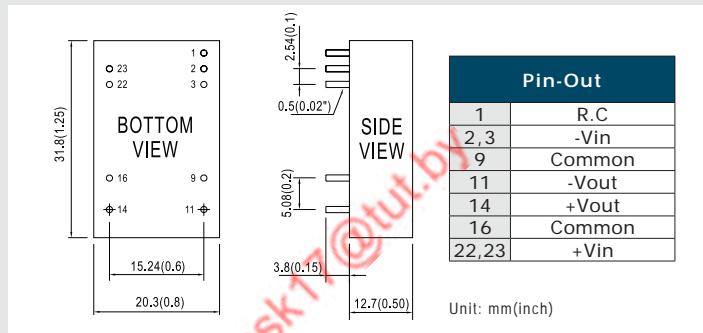
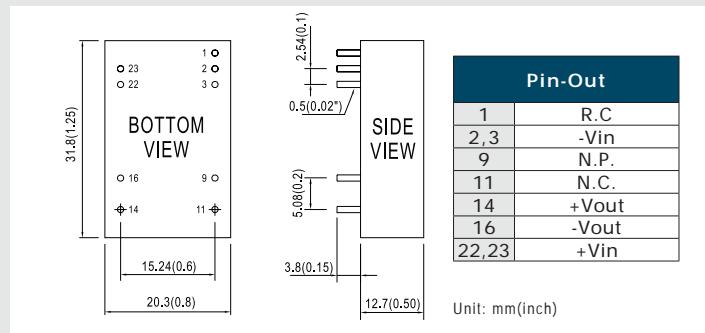
Regulated 10W | 4:1 Vin | Single/Dual Vo



▲ RSDW10
1.25" x 0.8" x 0.5"



▲ RDDW10
1.25" x 0.8" x 0.5"



■ RSDW10

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSDW10H-03			3.3V	2500mA			
RSDW10H-05			5V	2000mA			
	10W	96V, 110V (43-160V)			3KVDC	-40~+85°C	CE / EAC
RSDW10H-12			12V	835mA			
RSDW10H-15			15V	666mA			

■ RDDW10

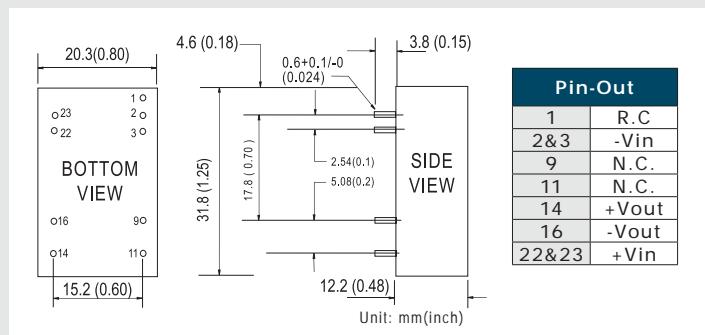
Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RDDW10H-05			±5V	±1000mA			
RDDW10H-12	10W	96V, 110V (43-160V)	±12V	±416mA	3KVDC	-40~+85°C	CE / EAC
RDDW10H-15			±15V	±333mA			

DIP24 package

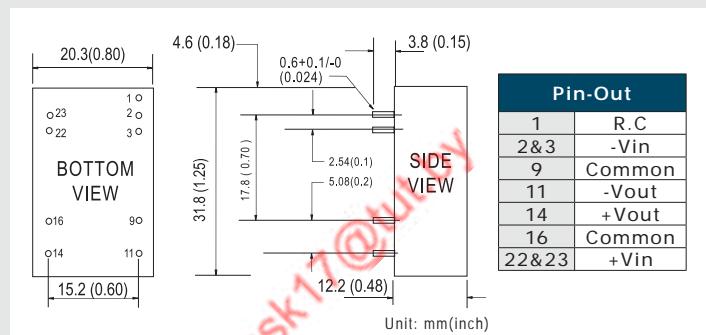
Regulated 12W | 2:1 Vin | Single/Dual Vo



▲ SCW12
1.25" x 0.80" x 0.48"



▲ DCW12
1.25" x 0.80" x 0.48"



SCW12

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCW12A-05			5V	2400mA			
SCW12A-12	12W	12V (9~18V)	12V	1000mA	1.5KVDC	-40~+71°C	FCC / CE / EAC
SCW12A-15			15V	800mA			
SCW12B-05			5V	2400mA			
SCW12B-12	12W	24V (18~36V)	12V	1000mA	1.5KVDC	-40~+71°C	FCC / CE / EAC
SCW12B-15			15V	800mA			
SCW12C-05			5V	2400mA			
SCW12C-12	12W	48V (36~72V)	12V	1000mA	1.5KVDC	-40~+71°C	FCC / CE / EAC
SCW12C-15			15V	800mA			

DCW12

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DCW12A-05			±5V	±1200mA			
DCW12A-12	12W	12V (9~18V)	±12V	±500mA	1.5KVDC	-40~+71°C	FCC / CE / EAC
DCW12A-15			±15V	±400mA			
DCW12B-05			±5V	±1200mA			
DCW12B-12	12W	24V (18~36V)	±12V	±500mA	1.5KVDC	-40~+71°C	FCC / CE / EAC
DCW12B-15			±15V	±400mA			
DCW12C-05			±5V	±1200mA			
DCW12C-12	12W	48V (36~72V)	±12V	±500mA	1.5KVDC	-40~+71°C	FCC / CE / EAC
DCW12C-15			±15V	±400mA			

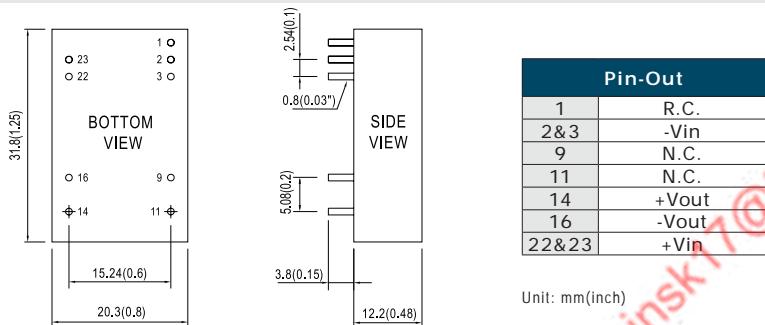
■ Module Type 0.5~150W

DIP24 package

Regulated 20W | 2:1 Vin | Single Vo



▲ SCW20
1.25" x 0.80" x 0.48"



■ SCW20

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SCW20A-05			5V	4000mA			
SCW20A-12	20W	12V(9~18V)	12V	1660mA	1.5KVDC	-40~+80°C	CE / EAC
SCW20A-15			15V	1333mA			
SCW20B-05			5V	4000mA			
SCW20B-12	20W	24V(18~36V)	12V	1666mA	1.5KVDC	-40~+80°C	CE / EAC
SCW20B-15			15V	1333mA			
SCW20C-05			5V	4000mA			
SCW20C-12	20W	48V(36~75V)	12V	1660mA	1.5KVDC	-40~+80°C	CE / EAC
SCW20C-15			15V	1333mA			

1"x1" package

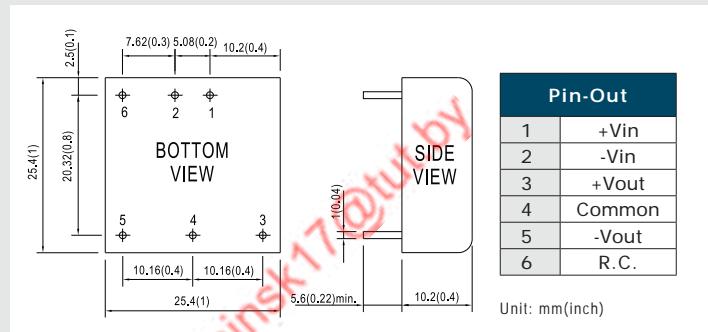
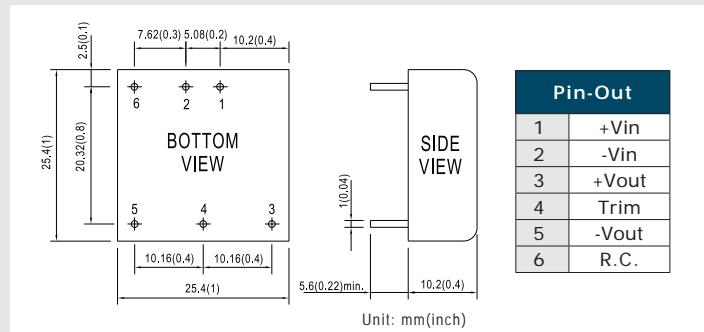
Regulated 10W | 2:1 Vin | Single/Dual Vo



▲ SKM10
1" x 1" x 0.40"



▲ DKM10
1" x 1" x 0.40"



SKM10

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKM10E-03	8W		3.3V	2500mA			
SKM10E-05	10W	5V(4.7~9V)	5V	2000mA			
SKM10E-12	10W		12V	833mA	1.5KVDC	-40~+85°C	CE / EAC
SKM10E-15	10W		15V	666mA			
SKM10A-03	8W		3.3V	2500mA			
SKM10A-05	10W	12V(9~18V)	5V	2000mA			
SKM10A-12	10W		12V	833mA	1.5KVDC	-40~+85°C	CE / EAC
SKM10A-15	10W		15V	666mA			
SKM10B-03	8W		3.3V	2500mA			
SKM10B-05	10W	24V(18~36V)	5V	2000mA			
SKM10B-12	10W		12V	833mA	1.5KVDC	-40~+85°C	CE / EAC
SKM10B-15	10W		15V	666mA			
SKM10C-03	8W		3.3V	2500mA			
SKM10C-05	10W	48V(36~75V)	5V	2000mA			
SKM10C-12	10W		12V	833mA	1.5KVDC	-40~+85°C	CE / EAC
SKM10C-15	10W		15V	666mA			

DKM10

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKM10E-05			±5V	±1000mA			
DKM10E-12	10W	5V(4.7~9V)	±12V	±416mA	1.5KVDC	-40~+85°C	CE / EAC
DKM10E-15			±15V	±333mA			
DKM10A-05			±5V	±1000mA			
DKM10A-12	10W	12V(9~18V)	±12V	±416mA	1.5KVDC	-40~+85°C	CE / EAC
DKM10A-15			±15V	±333mA			
DKM10B-05			±5V	±1000mA			
DKM10B-12	10W	24V(18~36V)	±12V	±416mA	1.5KVDC	-40~+85°C	CE / EAC
DKM10B-15			±15V	±333mA			
DKM10C-05			±5V	±1000mA			
DKM10C-12	10W	48V(36~75V)	±12V	±416mA	1.5KVDC	-40~+85°C	CE / EAC
DKM10C-15			±15V	±333mA			

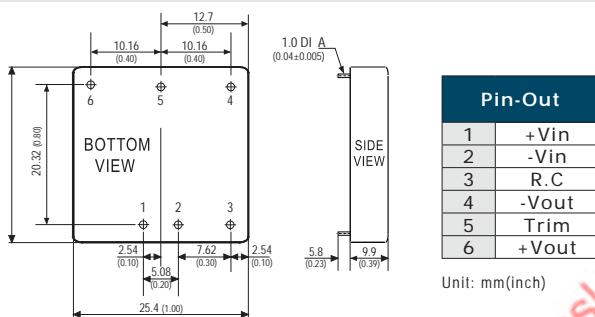
■ Module Type 0.5~150W

1"x1" package

Regulated 15W | 2:1 Vin | Single Vo



▲ SKM15
1" x 1" x 0.39"



■ SKM15

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKM15A-05			5V	3000mA			
SKM15A-12	15W	12V (9~18V)	12V	1250mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SKM15A-15			15V	1000mA			
SKM15B-05			5V	3000mA			
SKM15B-12	15W	24V (18~36V)	12V	1250mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SKM15B-15			15V	1000mA			
SKM15C-05			5V	3000mA			
SKM15C-12	15W	48V (36~75V)	12V	1250mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SKM15C-15			15V	1000mA			

1"x1" package

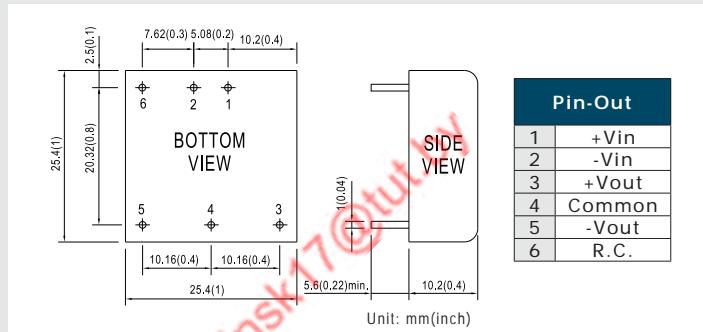
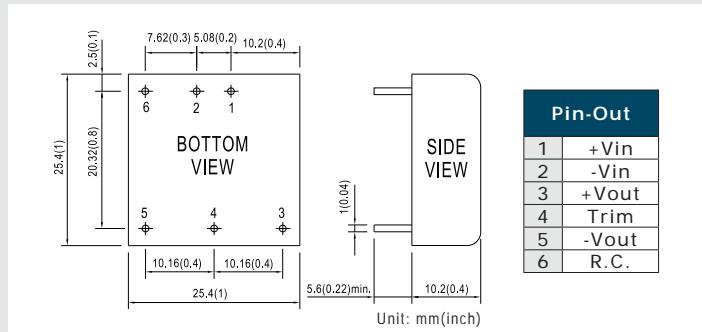
Regulated 20W | 4:1 Vin | Single/Dual Vo



▲ SKMW20
1" x 1" x 0.40"



▲ DDKMW20
1" x 1" x 0.40"



SKMW20

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKMW20F-03	15W		3.3V	4500mA			
SKMW20F-05	20W	12V, 24V (9~36V)	5V	4000mA			
SKMW20F-12	20W		12V	1670mA	1.5KVDC	-40~+85°C	CE / EAC
SKMW20F-15	20W		15V	1330mA			
SKMW20G-03	15W		3.3V	4500mA			
SKMW20G-05	20W	24V, 48V (18~75V)	5V	4000mA			
SKMW20G-12	20W		12V	1670mA	1.5KVDC	-40~+85°C	CE / EAC
SKMW20G-15	20W		15V	1330mA			

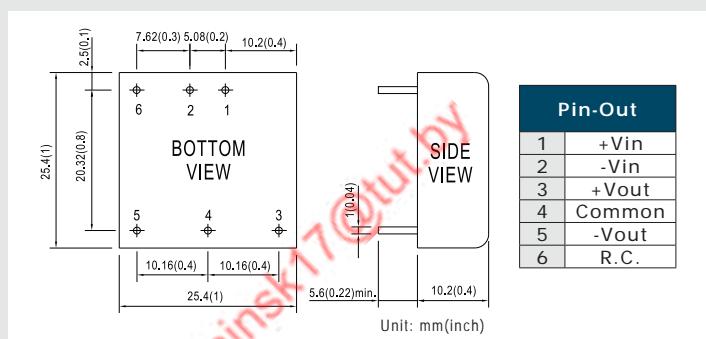
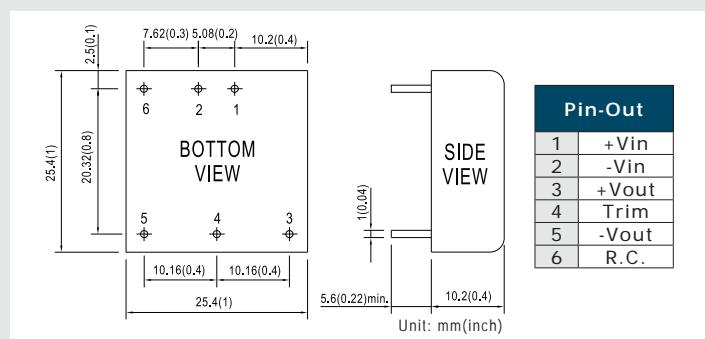
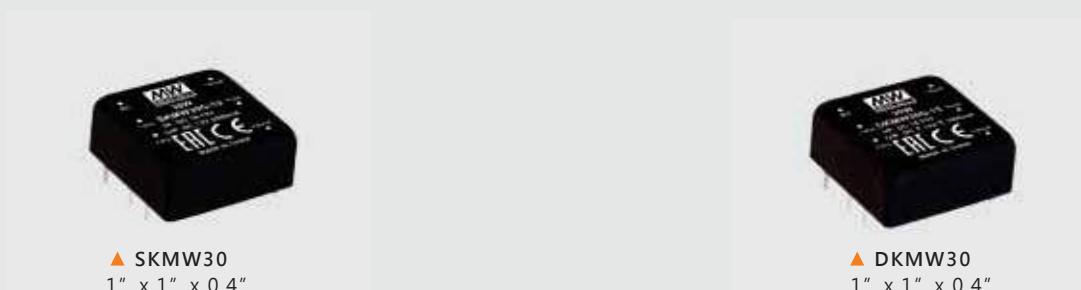
DDKMW20

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKMW20F-12		12V, 24V (9~36V)	±12V	±830mA			
DKMW20F-15	20W		±15V	±660mA	1.5KVDC	-40~+85°C	CE / EAC
DKMW20G-12		24V, 48V (18~75V)	±12V	±830mA			
DKMW20G-15	20W		±15V	±660mA	1.5KVDC	-40~+85°C	CE / EAC

■ Module Type 0.5~150W

1"x1" package

Regulated 30W | 4:1 Vin | Single/Dual Vo



■ SKMW30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKMW30F-03	25W		3.3V	7500mA			
SKMW30F-05	30W	12V, 24V (9~36V)	5V	6000mA			
SKMW30F-12	30W		12V	2500mA	1.5KVDC	-40~+85°C	CE / EAC
SKMW30F-15	30W		15V	2000mA			
SKMW30G-03	25W		3.3V	7500mA			
SKMW30G-05	30W	24V, 48V (18~75V)	5V	6000mA			
SKMW30G-12	30W		12V	2500mA	1.5KVDC	-40~+85°C	CE / EAC
SKMW30G-15	30W		15V	2000mA			

■ DKMW30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKMW30F-12		12V, 24V (9~36V)	±12V	±1250mA			
DKMW30F-15	30W		±15V	±1000mA	1.5KVDC	-40~+85°C	CE / EAC
DKMW30G-12		24V, 48V (18~75V)	±12V	±1250mA			
DKMW30G-15	30W		±15V	±1000mA	1.5KVDC	-40~+85°C	CE / EAC

2"x1" package

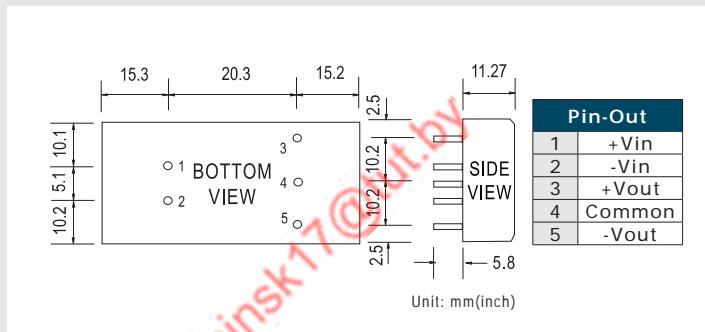
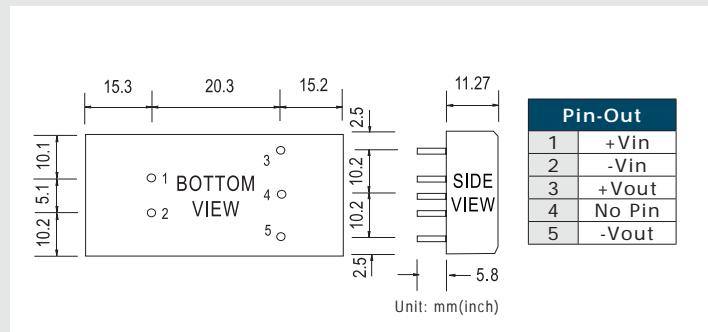
Regulated 5W | 2:1 Vin | Single/Dual Vo



▲ SLW05
2" x 1" x 0.44"



▲ DLW05
2" x 1" x 0.44"



■ SLW05

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SLW05A-05			5V	1000mA			
SLW05A-09			9V	556mA			
SLW05A-12	5W	12V (9~18V)	12V	417mA	1KVDC	-25~+71°C	FCC / CE / EAC
SLW05A-15			15V	333mA			
SLW05B-05			5V	1000mA			
SLW05B-09			9V	556mA			
SLW05B-12	5W	24V (18~36V)	12V	417mA	1KVDC	-25~+71°C	FCC / CE / EAC
SLW05B-15			15V	333mA			
SLW05C-05			5V	1000mA			
SLW05C-09			9V	556mA			
SLW05C-12	5W	48V (36~72V)	12V	417mA	1KVDC	-25~+71°C	FCC / CE / EAC
SLW05C-15			15V	333mA			

■ DLW05

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DLW05A-05			±5V	±500mA			
DLW05A-12	5W	12V (9~18V)	±12V	±208mA	1KVDC	-25~+71°C	FCC / CE / EAC
DLW05A-15			±15V	±167mA			
DLW05B-05			±5V	±500mA			
DLW05B-12	5W	24V (18~36V)	±12V	±208mA	1KVDC	-25~+71°C	FCC / CE / EAC
DLW05B-15			±15V	±167mA			
DLW05C-05			±5V	±500mA			
DLW05C-12	5W	48V (36~72V)	±12V	±208mA	1KVDC	-25~+71°C	FCC / CE / EAC
DLW05C-15			±15V	±167mA			

■ Module Type 0.5~150W

2"x1" package

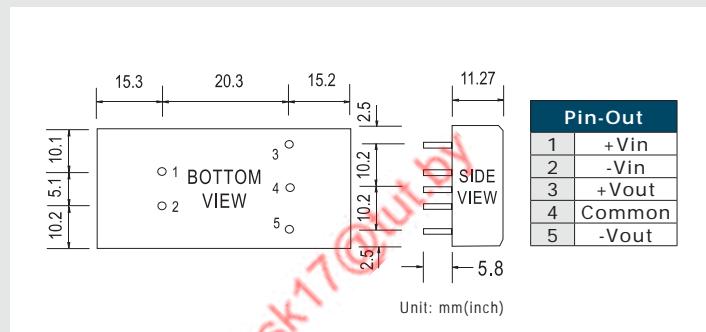
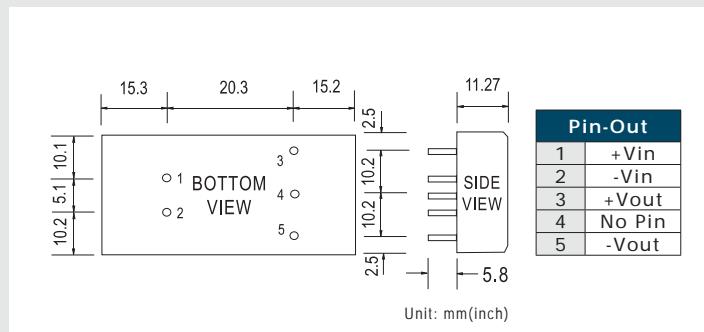
Regulated 10W | 2:1 Vin | Single/Dual Vo



▲ SKE10
2" x 1" x 0.44"



▲ DKE10
2" x 1" x 0.44"



■ SKE10

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKE10A-05			5V	2000mA			
SKE10A-12	10W	12V (9~18V)	12V	840mA			
SKE10A-15			15V	660mA	1KVDC	-25~+71°C	FCC / CE / EAC
SKE10A-24			24V	420mA			
SKE10B-05			5V	2000mA			
SKE10B-12	10W	24V (18~36V)	12V	840mA	1KVDC	-25~+71°C	FCC / CE / EAC
SKE10B-15			15V	660mA			
SKE10B-24			24V	420mA			
SKE10C-05			5V	2000mA			
SKE10C-12	10W	48V (36~72V)	12V	840mA	1KVDC	-25~+71°C	FCC / CE / EAC
SKE10C-15			15V	660mA			
SKE10C-24			24V	420mA			

■ DKE10

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKE10A-05			±5V	±1000mA			
DKE10A-12	10W	12V (9~18V)	±12V	±420mA			
DKE10A-15			±15V	±333mA	1KVDC	-25~+71°C	FCC / CE / EAC
DKE10A-24			±24V	±210mA			
DKE10B-05			±5V	±1000mA			
DKE10B-12	10W	24V (18~36V)	±12V	±420mA	1KVDC	-25~+71°C	FCC / CE / EAC
DKE10B-15			±15V	±333mA			
DKE10B-24			±24V	±210mA			
DKE10C-05			±5V	±1000mA			
DKE10C-12	10W	48V (36~72V)	±12V	±420mA	1KVDC	-25~+71°C	FCC / CE / EAC
DKE10C-15			±15V	±333mA			
DKE10C-24			±24V	±210mA			

2"x1" package

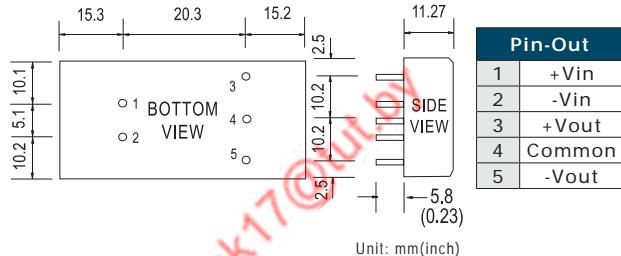
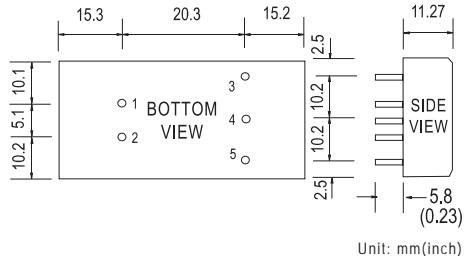
Regulated 15W | 2:1 Vin | Single/Dual Vo



▲ SKA15
2" x 1" x 0.44"



▲ DKA15
2" x 1" x 0.44"



■ SKA15

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKA15A-033	10W		3.3V	3000mA			
SKA15A-05	15W	12V (9~18V)	5V	3000mA			
SKA15A-12	15W		12V	1250mA	1KVDC	-40~+71°C	FCC / CE / EAC
SKA15A-15	15W		15V	1000mA			
SKA15B-033	10W		3.3V	3000mA			
SKA15B-05	15W	24V (18~36V)	5V	3000mA			
SKA15B-12	15W		12V	1250mA	1KVDC	-40~+71°C	FCC / CE / EAC
SKA15B-15	15W		15V	1000mA			
SKA15C-033	10W		3.3V	3000mA			
SKA15C-05	15W	48V (36~72V)	5V	3000mA			
SKA15C-12	15W		12V	1250mA	1KVDC	-40~+71°C	FCC / CE / EAC
SKA15C-15	15W		15V	1000mA			

■ DKA15

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKA15A-05			±5V	±1500mA			
DKA15A-12	15W	12V (9~18V)	±12V	±625mA	1KVDC	-40~+71°C	FCC / CE / EAC
DKA15A-15			±15V	±500mA			
DKA15B-05			±5V	±1500mA			
DKA15B-12	15W	24V (18~36V)	±12V	±625mA	1KVDC	-40~+71°C	FCC / CE / EAC
DKA15B-15			±15V	±500mA			
DKA15C-05			±5V	±1500mA			
DKA15C-12	15W	48V (36~72V)	±12V	±625mA	1KVDC	-40~+71°C	FCC / CE / EAC
DKA15C-15			±15V	±500mA			

■ Module Type 0.5~150W

2"x1" package

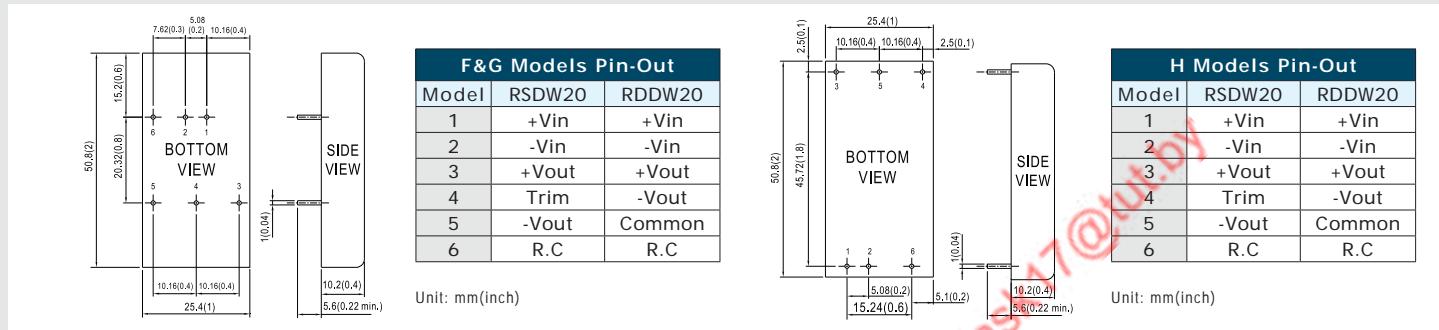
Regulated 20W | 4:1 Vin | Single/Dual Vo



▲ RSDW20
2" x 1" x 0.4"



▲ RDDW20
2" x 1" x 0.4"



■ RSDW20

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RSDW20F-03			3.3V	5500mA			
RSDW20F-05	20W	12V, 24V	5V	4000mA			CE
RSDW20F-12		(9~36V)	12V	1670mA	1.5KVDC	-40~+85°C	(EN50155/EN55032) EAC
RSDW20F-15			15V	1330mA			
RSDW20G-03			3.3V	5500mA			
RSDW20G-05	20W	24V, 48V	5V	4000mA	1.5KVDC	-40~+85°C	CE
RSDW20G-12		(18~75V)	12V	1670mA			(EN50155/EN55032) EAC
RSDW20G-15			15V	1330mA			
RSDW20H-05			5V	4000mA			CE
RSDW20H-12	20W	96V, 110V	12V	1670mA	3KVDC	-40~+85°C	(EN50155/EN55032) EAC
RSDW20H-15		(43~160V)	15V	1330mA			

■ RDDW20

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
RDDW20F-05			±5V	±2000mA			CE
RDDW20F-12	20W	12V, 24V	±12V	±835mA	1.5KVDC	-40~+85°C	(EN50155/EN55032) EAC
RDDW20F-15		(9~36V)	±15V	±666mA			
RDDW20G-05			±5V	±2000mA			CE
RDDW20G-12	20W	24V, 48V	±12V	±835mA	1.5KVDC	-40~+85°C	(EN50155/EN55032) EAC
RDDW20G-15		(18~75V)	±15V	±666mA			
RDDW20H-12			±12V	±1833mA			CE
RDDW20H-15	20W	96V, 110V	±15V	±667mA	3KVDC	-40~+85°C	(EN50155/EN55032) EAC

2"x1" package

Regulated 20W/30W/50W | 2:1 Vin | Single Vo



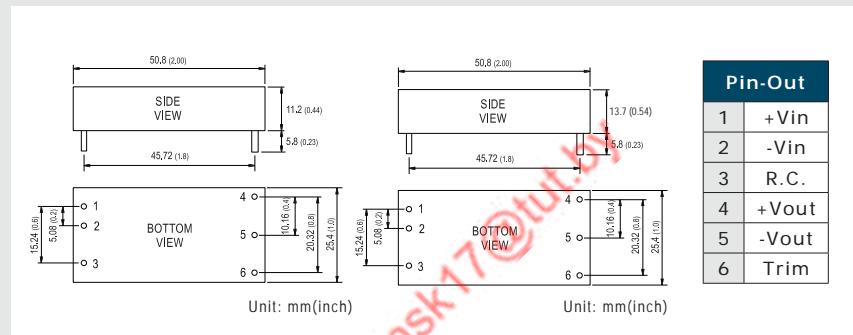
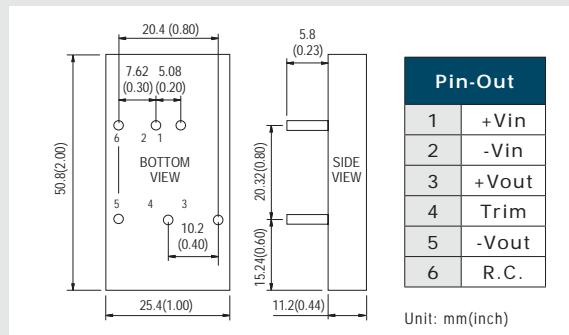
▲ SKA20
2" x 1" x 0.44"



▲ SKM30
2" x 1" x 0.44"



▲ SKM50
2" x 1" x 0.54"



■ SKA20

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKA20A-05			5V	4000mA			
SKA20A-12	20W	12V (9~18V)	12V	1666mA	1.5KVDC	-40~+85°C	FCC / CE / EAC
SKA20A-15			15V	1333mA			
SKA20B-05			5V	4000mA			
SKA20B-12	20W	24V (18~36V)	12V	1666mA	1.5KVDC	-40~+85°C	FCC / CE / EAC
SKA20B-15			15V	1333mA			
SKA20C-05			5V	4000mA			
SKA20C-12	20W	48V (36~75V)	12V	1666mA	1.5KVDC	-40~+85°C	FCC / CE / EAC
SKA20C-15			15V	1333mA			

■ SKM30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKM30A-05			5V	6000mA			
SKM30A-12	30W	12V (9~18V)	12V	2500mA	1.5KVDC	-40~+75°C	FCC / CE / EAC
SKM30A-15			15V	2000mA			
SKM30B-05			5V	6000mA			
SKM30B-12	30W	24V (18~36V)	12V	2500mA	1.5KVDC	-40~+75°C	FCC / CE / EAC
SKM30B-15			15V	2000mA			
SKM30C-05			5V	6000mA			
SKM30C-12	30W	48V (36~75V)	12V	2500mA	1.5KVDC	-40~+75°C	FCC / CE / EAC
SKM30C-15			15V	2000mA			

■ SKM50

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKM50B-05			5V	10A			
SKM50B-12	50W	24V (18~36V)	12V	4170mA	1.5KVDC	-40~+75°C	FCC / CE / EAC
SKM50B-15			15V	3330mA			
SKM50C-05			5V	10A			
SKM50C-12	50W	48V (36~75V)	12V	4170mA	1.5KVDC	-40~+75°C	FCC / CE / EAC
SKM50C-15			15V	3330mA			

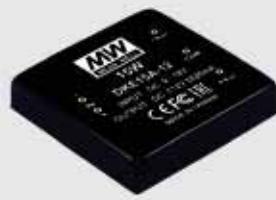
■ Module Type 0.5~150W

2"x2" package

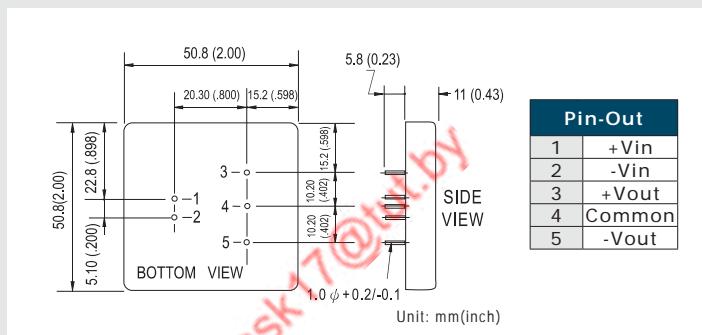
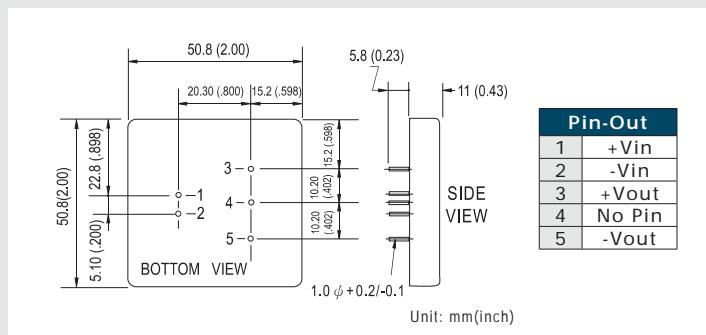
Regulated 15W | 2:1 Vin | Single/Dual Vo



▲ SKE15
2" x 2" x 0.43"



▲ DKE15
2" x 2" x 0.43"



■ SKE15

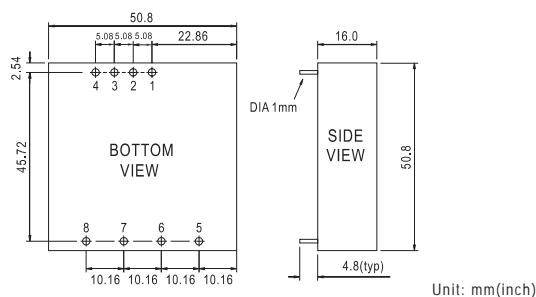
Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKE15A-05			5V	3000mA			
SKE15A-12			12V	1250mA			
SKE15A-15	15W	12V (9~18V)	15V	1000mA	1KVDC	-25~+71°C	FCC / CE / EAC
SKE15A-24			24V	625mA			
SKE15B-05			5V	3000mA			
SKE15B-12			12V	1250mA			
SKE15B-15	15W	24V (18~36V)	15V	1000mA	1KVDC	-25~+71°C	FCC / CE / EAC
SKE15B-24			24V	625mA			
SKE15C-05			5V	3000mA			
SKE15C-12			12V	1250mA			
SKE15C-15	15W	48V (36~72V)	15V	1000mA	1KVDC	-25~+71°C	FCC / CE / EAC
SKE15C-24			24V	625mA			

■ DKE15

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKE15A-05			±5V	±1500mA			
DKE15A-12			±12V	±625mA			
DKE15A-15	15W	12V (9~18V)	±15V	±500mA	1KVDC	-25~+71°C	FCC / CE / EAC
DKE15A-24			±24V	±313mA			
DKE15B-05			±5V	±1500mA			
DKE15B-12			±12V	±625mA			
DKE15B-15	15W	24V (18~36V)	±15V	±500mA	1KVDC	-25~+71°C	FCC / CE / EAC
DKE15B-24			±24V	±313mA			
DKE15C-05			±5V	±1500mA			
DKE15C-12			±12V	±625mA			
DKE15C-15	15W	48V (36~72V)	±15V	±500mA	1KVDC	-25~+71°C	FCC / CE / EAC
DKE15C-24			±24V	±313mA			

2"x2" package

Regulated 30W | 2:1 Vin | Single Vo

▲ SDM30
2" x 2" x 0.63"

Pin-Out	
1	+Vin
2	-Vin
3	No Pin
4	R.C
5	No Pin
6	+Vout
7	-Vout
8	Trim

■ SDM30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SDM30-12S3	17W		3.3V	5000mA			
SDM30-12S5	25W	12V (9.2~18V)	5V	5000mA	1KVDC	-25~+85°C	CE / EAC
SDM30-12S12	25W		12V	2100mA			
SDM30-12S15	26W		15V	1700mA			
SDM30-24S3	17W		3.3V	5000mA			
SDM30-24S5	25W	24V (18~36V)	5V	5000mA	1KVDC	-25~+85°C	CE / EAC
SDM30-24S12	30W		12V	2100mA			
SDM30-24S15	30W		15V	1700mA			
SDM30-48S3	17W		3.3V	5000mA			
SDM30-48S5	25W	48V (36~72V)	5V	5000mA	1KVDC	-25~+85°C	CE / EAC
SDM30-48S12	30W		12V	2100mA			
SDM30-48S15	30W		15V	1700mA			

■ Module Type 0.5~150W

2"x2" package

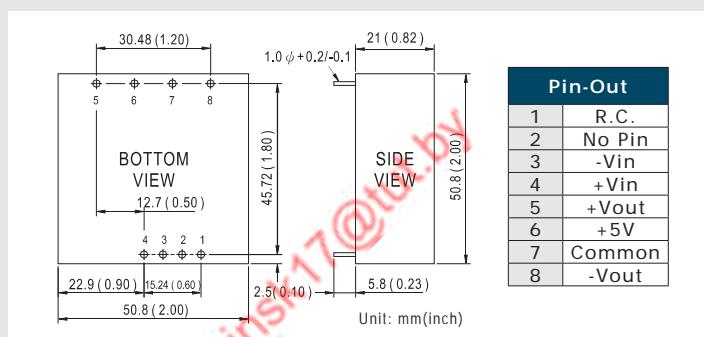
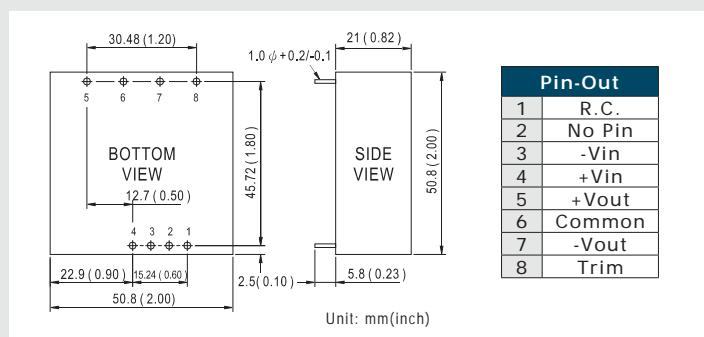
Regulated 30W | 2:1 Vin | Dual/Triple Vo



▲ DKA30
2" x 2" x 0.82"



▲ TKA30
2" x 2" x 0.82"



■ DKA30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
DKA30A-05	25W		±5V	±2500mA			
DKA30A-12	30W	12V (9~18V)	±12V	±1250mA	1KVDC	-40~+85°C	FCC / CE / EAC
DKA30A-15	30W		±15V	±1000mA			
DKA30B-05	25W		±5V	±2500mA			
DKA30B-12	30W	24V (18~36V)	±12V	±1250mA	1KVDC	-40~+85°C	FCC / CE / EAC
DKA30B-15	30W		±15V	±1000mA			
DKA30C-05	25W		±5V	±2500mA			
DKA30C-12	30W	48V (36~72V)	±12V	±1250mA	1KVDC	-40~+85°C	FCC / CE / EAC
DKA30C-15	30W		±15V	±1000mA			

■ TKA30

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
TKA30A-B	25W	12V (9~18V)	5V / ±12V	3500mA / ±310mA	1KVDC	-40~+85°C	FCC / CE / EAC
TKA30A-C			5V / ±15V	3500mA / ±250mA			
TKA30B-B	25W	24V (18~36V)	5V / ±12V	3500mA / ±310mA	1KVDC	-40~+85°C	FCC / CE / EAC
TKA30B-C			5V / ±15V	3500mA / ±250mA			
TKA30C-B	25W	48V (36~72V)	5V / ±12V	3500mA / ±310mA	1KVDC	-40~+85°C	FCC / CE / EAC
TKA30C-C			5V / ±15V	3500mA / ±250mA			

2"x2" package

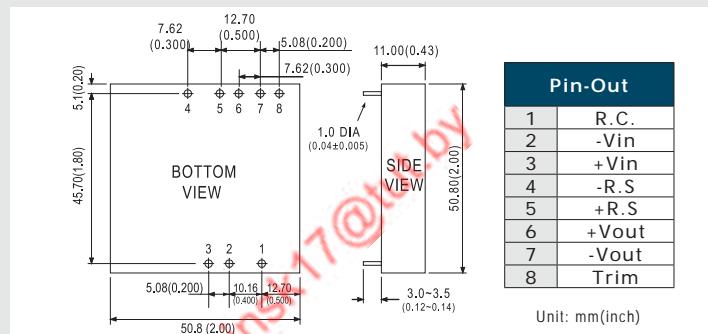
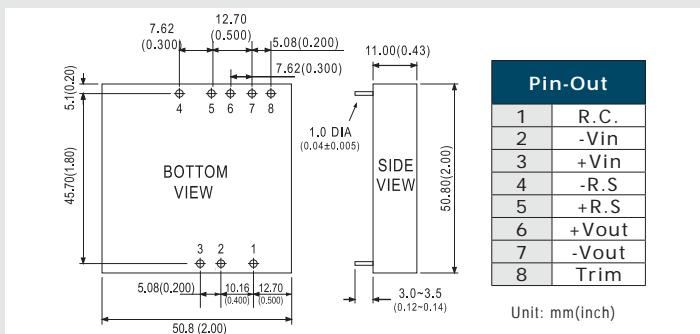
Regulated 40W/60W | 2:1 Vin | Single Vo



▲ SKA40
2" x 2" x 0.43"



▲ SKA60
2" x 2" x 0.43"



■ SKA40

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKA40A-05	35W		5V	7000mA			
SKA40A-12	40W	12V (9~18V)	12V	3330mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SKA40A-15	40W		15V	2670mA			
SKA40B-05	35W		5V	7000mA			
SKA40B-12	40W	24V (18~36V)	12V	3330mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SKA40B-15	40W		15V	2670mA			
SKA40C-05	35W		5V	7000mA			
SKA40C-12	40W	48V (36~75V)	12V	3330mA	1.5KVDC	-40~+80°C	FCC / CE / EAC
SKA40C-15	40W		15V	2670mA			

■ SKA60

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
SKA60A-05			5V	12A			
SKA60A-12	60W	12V (9~18V)	12V	5000mA	1.5KVDC	-40~+70°C	FCC / CE / EAC
SKA60A-15			15V	4000mA			
SKA60B-05			5V	12A			
SKA60B-12	60W	24V (18~36V)	12V	5000mA	1.5KVDC	-40~+70°C	FCC / CE / EAC
SKA60B-15			15V	4000mA			
SKA60C-05			5V	12A			
SKA60C-12	60W	48V (36~75V)	12V	5000mA	1.5KVDC	-40~+70°C	FCC / CE / EAC
SKA60C-15			15V	4000mA			

Module Type 0.5~150W

Half-brick

Regulated 75W/100W/150W

| 2:1 Vin |

| Single Vo



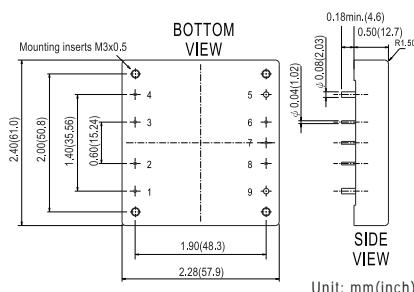
▲ MHB75
2.28" x 2.40" x 0.50"



▲ MHB100
2.28" x 2.40" x 0.50"



▲ MHB150
2.28" x 2.40" x 0.50"



Pin-Out	
1	+Vin
2	R.C.
3	Case
4	-Vin
5	-Vout
6	-R.S.
7	Trim
8	+R.S.
9	+Vout

MHB75

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
MHB75-12S05			5V	15A			
MHB75-12S12	75W	12V (9~18V)	12V	6.25A	1.5KVDC	-40~+100°C	UL / CE / EAC
MHB75-12S24			24V	3.13A			
MHB75-24S05			5V	15A			
MHB75-24S12	75W	24V (18~36V)	12V	6.25A	1.5KVDC	-40~+100°C	UL / CE / EAC
MHB75-24S24			24V	3.13A			
MHB75-48S05			5V	15A			
MHB75-48S12	75W	48V (36~75V)	12V	6.25A	1.5KVDC	-40~+100°C	UL / CE / EAC
MHB75-48S24			24V	3.13A			

MHB100

Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temperature	Safety
MHB100-24S05			5V	20A			
MHB100-24S12	100W	24V (18~36V)	12V	8.3A	1.5KVDC	-40~+100°C	UL / CE / EAC
MHB100-24S24			24V	4.17A			
MHB100-48S05			5V	20A			
MHB100-48S12	100W	48V (36~75V)	12V	8.3A	1.5KVDC	-40~+100°C	UL / CE / EAC
MHB100-48S24			24V	4.17A			

MHB150

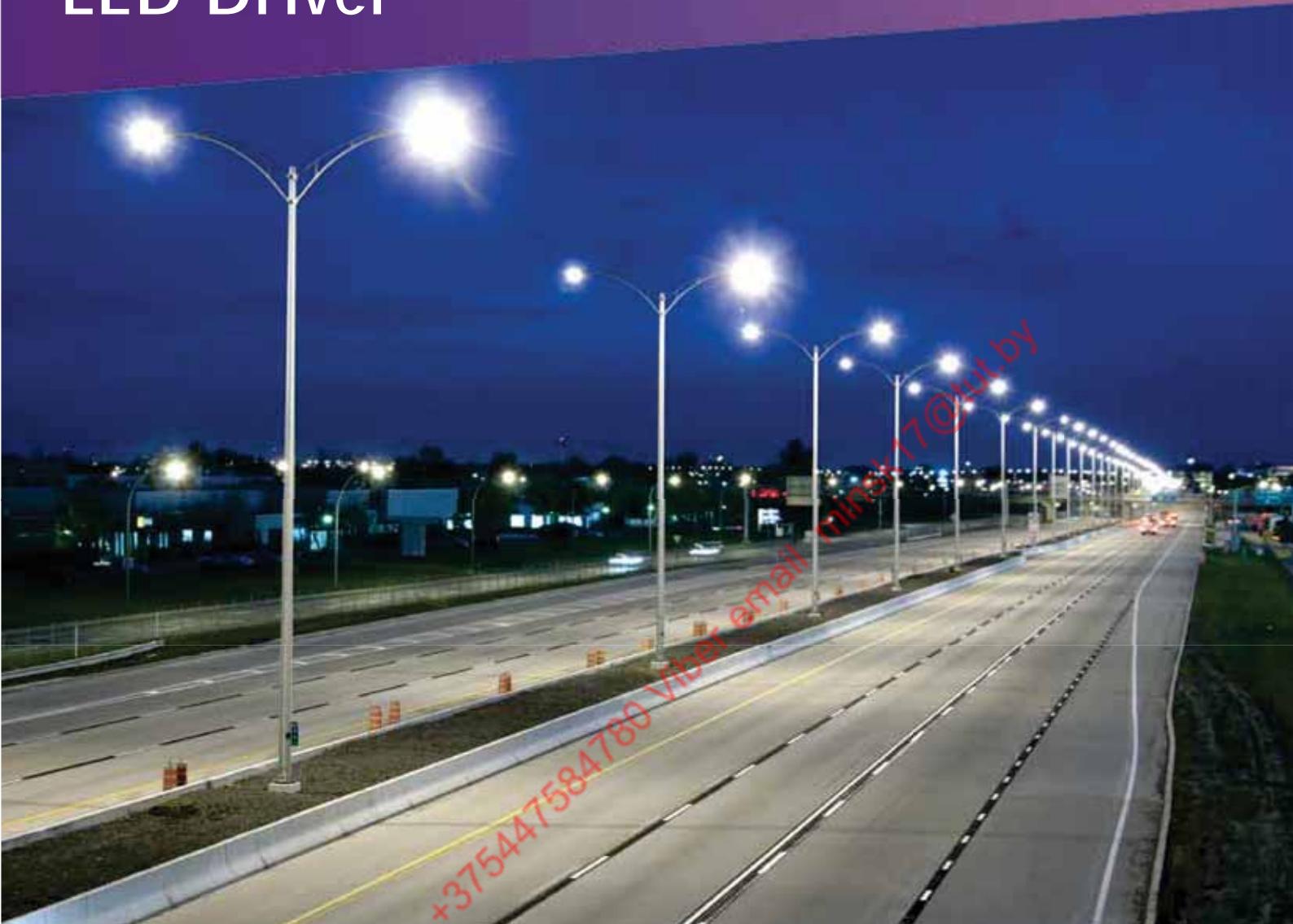
Model No.	Wattage	Vin	Vout	Iout	Isolation voltage	Operating temp.	Safety
MHB150-48S05			5V	30A			
MHB150-48S12	150W	48V (36~75V)	12V	12.5A	1.5KVDC	-40~+100°C	UL / CE / EAC
MHB150-48S24			24V	6.25A			

Heat Sink for MHB Series

Order No.	M-C308 (Vertical Fins)	M-C091 (Horizontal Fins)	M-C092 (Horizontal Fins)
Mechanical			

Note: Power module and heat sink should be ordered separately. The heat sinks can be used with MHB75/100/150 series.

Module Type LED Driver



Features

- Complete drive current for choice:
300mA / 350mA / 500mA / 600mA / 700mA
1000mA / 1200mA / 1400mA / 1500mA
- Constant current step-up mode (LDH) ;
Constant current step-down mode (LDD-H/L) ;
Constant current buck-boost mode (LDB-L)
- Multiple type: SMD, Pin, Wire style
- Wide input and output voltage range
- High efficiency up to 97%
- Comply with EN55015 and FCC part 15
without additional input filter and capacitors
- PWM dimming and remote ON/OFF control
- DALI dimming function for LDH-DA/WDA &
LDD-DA/WDA
- 3 years warranty



■ LED Driver



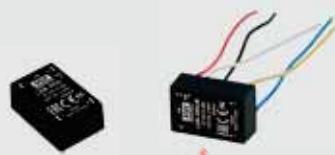
▲ LDD-300~700L/LW/LS
L/LW: 22.6x 9.9x 8.9 mm
LS: 25.4x 10.5x 9.3 mm



▲ LDD-1000~1500L/LW/LS
L/LW: 31.8x 20.3x 12.2 mm
LS: 31.8x 20.3x 10.9 mm



▲ LDD-300~1000H/HW/HS &
LDD-1200~1500H/HW
H/HW: 31.8x 20.3x 12.2 mm
HS: 31.8x 20.3x 11.4 mm



▲ LDB-300~600L/LW
31.8x 20.3x 12.2 mm

■ LDD-L

Model No.	Vin	Output		Io Tol.	Operating temperature	Dimming	Safety
		Voltage	Current				
LDD-300L □			300mA				FCC
LDD-350L □			350mA				
LDD-500L □	9~36V (9-32V for S style)	2~32V (2~28V for S style)	500mA	±5%	-40~+85°C	PWM	CE (EN55015)
LDD-600L □			600mA				
LDD-700L □			700mA				EAC
LDD-1000L □			1000mA				FCC
LDD-1200L □	6~36V	2~30V	1200mA	±5%	-40~+71°C	PWM+Analog	CE (EN55015)
LDD-1500L □			1500mA				EAC

□ = Blank, W, S ; Blank: pin style, W: Wire style, S: SMD style

■ LDD-H

Model No.	Vin	Output		Io Tol.	Operating temperature	Safety
		Voltage	Current			
LDD-300H □	9~56V	2~52V	300mA	±4%	-40~+85°C	
LDD-350H □	9~56V	2~52V	350mA	±4%	-40~+85°C	
LDD-500H □	9~56V	2~52V	500mA	±4%	-40~+85°C	FCC
LDD-600H □	9~56V	2~52V	600mA	±4%	-40~+71°C	
LDD-700H □	9~56V	2~52V	700mA	±4%	-40~+71°C	CE (EN55015)
LDD-1000H □	9~56V	2~52V	1000mA	±4%	-40~+71°C	
LDD-1200H△	9~52V	2~46V	1200mA	±5%	-40~+71°C	
LDD-1500H△	9~52V	2~46V	1500mA	±5%	-40~+65°C	EAC

□ = Blank, W, S ; Blank: pin style, W: wire style, S: SMD style ; △ = Blank, W ; Blank: pin style, W: wire style

■ LDB-L

Model No.	Vin	Output		Io Tol.	Operating temperature	Safety
		Voltage	Current			
LDB-300L△	9~36V	2~40V	300mA	±5%	-40~+71°C	FCC
LDB-350L△	9~36V	2~40V	350mA	±5%	-40~+71°C	CE (EN55015)
LDB-500L△	9~30V	2~32V	500mA	±5%	-40~+71°C	
LDB-600L△	9~28V	2~30V	600mA	±5%	-40~+71°C	EAC

△ = Blank, W ; Blank: pin style, W: wire style



▲ LDD-350~1400H-DA
40.6x 23.5x 10.1 mm



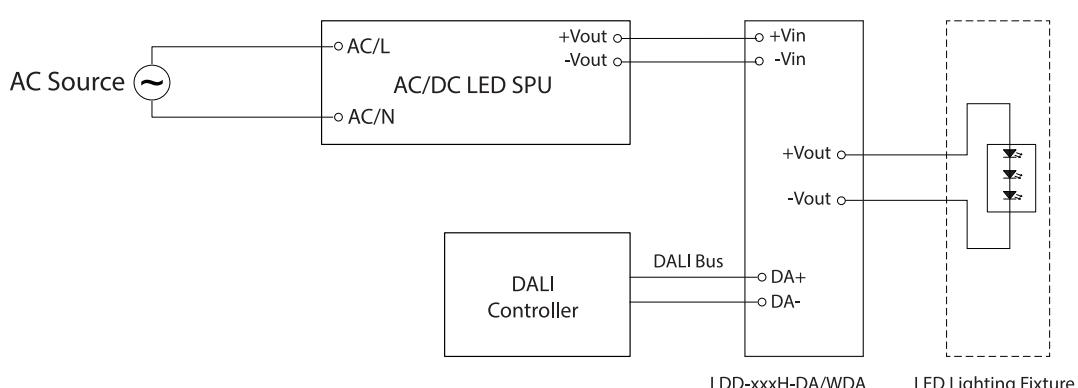
▲ LDD-350~1400H-WDA
40.6x 23.5x 10.1 mm

■ LDD-DA

Model No.	Vin	Output		Io Tol.	Operating temperature	Dimming	Safety
		Voltage	Current				
LDD-350H-□DA	6~50V	3~45V	350mA	±5%	-40~+85°C	PWM&Analog	 CE (EN55015) EAC
LDD-700H-□DA	6~50V	3~45V	700mA	±5%	-40~+85°C	PWM&Analog	 CE (EN55015) EAC
LDD-1050H-□DA	6~50V	3~45V	1050mA	±5%	-40~+85°C	PWM&Analog	 CE (EN55015) EAC
LDD-1400H-□DA	6~40V	3~36V	1400mA	±5%	-40~+85°C	PWM&Analog	 CE (EN55015) EAC

□ = Blank, W ; Blank: pin style, W: wire style

DALI Dimming Diagram



■ LED Driver



▲ LDH-45
75x 53x 22.7 mm



▲ LDH-45W
75x 53x 22.7 mm

■ LDH-45A/B

Model No.	Vin	Output		Io Tol.	Operating temperature	Dimming	Safety
		Voltage	Current				
LDH-45A-350 ○	9~18V	12~86V	350mA	±5%	-40~+70°C	PWM+Analog	CE (EN55015) EAC
LDH-45A-500 ○		12~86V	500mA				
LDH-45A-700 ○		12~64V	700mA				
LDH-45A-1050 ○		12~43V	1050mA				
LDH-45B-350 ○	18~32V	21~126V	350mA	±5%	-40~+70°C	PWM+Analog	CE (EN55015) EAC
LDH-45B-500 ○		21~86V	500mA				
LDH-45B-700 ○		21~64V	700mA				
LDH-45B-1050 ○		21~43V	1050mA				

○ =Blank, W ; Blank: pin style, PWM+analog dimming; W: Wire style, PWM+analog dimming

■ LDH-45A/B-DA

Model No.	Vin	Output		Io Tol.	Operating temperature	Dimming	Safety
		Voltage	Current				
LDH-45A-350 ○ DA	9~18V	24~86V	350mA	±5%	-40~+70°C	DALI	CE (EN55015) EAC
LDH-45A-500 ○ DA		24~86V	500mA				
LDH-45A-700 ○ DA		24~64V	700mA				
LDH-45A-1050 ○ DA		24~43V	1050mA				
LDH-45B-350 ○ DA	18~32V	36~126V	350mA	±5%	-40~+70°C	DALI	CE (EN55015) EAC
LDH-45B-500 ○ DA		36~86V	500mA				
LDH-45B-700 ○ DA		36~64V	700mA				
LDH-45B-1050 ○ DA		36~43V	1050mA				

○ =Blank or W ; Blank: pin style, DALI dimming; W: Wire style, DALI dimming

Selection Guide

Type	Model		Watt	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)(mm)	Safety
	Picture	Series							
Enclosed		RSD-30	30W	12V, 24V(9~36V) 24V, 48V(18~72V) 96V, 110V(40~160V)	3.3V 5V 12V 24V	4KVDC	-40~+70°C	113x 60x 25	CE/EAC
		RSD-60	60W	12V, 24V(9~36V) 24V, 48V(18~72V) 96V, 110V(40~160V)	3.3V 5V 12V 24V	4KVDC	-40~+70°C	126x 60x 25	CE/EAC
		RSD-100	100W	24V(16.8~31.2V) 48V(33.6~62.4V) 96V, 110V(67.2~143V)	5V 12V 24V	4KVDC	-40~+70°C	161x 68x 36	CE/EAC
		RSD-150	150W	24V(16.8~31.2V) 48V(33.6~62.4V) 96V, 110V(67.2~143V)	5V 12V 24V	4KVDC	-40~+70°C	189x 77x 36	CE/EAC
		RSD-200	200W	24V(16.8~31.2V) 48V(33.6~62.4V) 110V(67.2~143V)	12V 24V 48V	4KVDC	-40~+70°C	191x 86x 40	CE/EAC
		RSD-300	300W	24V(16.8~31.2V) 36V(25.2~46.8V) 48V(33.6~62.4V) 72V(50.4~93.6V) 96V, 110V(67.2~143V)	5V 12V 24V 48V	4KVDC	-40~+70°C	216x 96.5x 40	CE/EAC
		SD-15	15W	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	5V 12V 24V	1.5KVAC	-10~+60°C	78x 51x 28	CE / EAC
		SD-25	25W	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	5V 12V 24V	1.5KVAC	-10~+60°C	99x 97x 36	CE / EAC
		SD-50	50W	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	5V 12V 24V	1.5KVAC	-10~+60°C	159x 97x 38	CE / EAC
		SD-100	100W	12V(9.5~18V) 24V(19~36V) 48V(36~72V) 96V, 110V(72~144V)	5V 12V 24V	1.5KVAC	-10~+60°C	199x 98x 38	CE CB (D type) EAC
Open		SD-150	150W	24V(19~36V) 48V(36~72V) 96V, 110V(72~144V)	12V 24V	1.5KVAC	-10~+60°C	199x 110x 50	CE CB (D type) EAC
		SD-200	200W	24V(19~36V) 48V(36~72V) 96V, 110V(72~144V)	5V 12V 24V 48V	1.5KVAC	-20~+60°C	215x 115x 50	CE CB (D type) UL (SD-200C-24) EAC
		SD-350	350W	24V(19~36V) 48V(36~72V) 96V, 110V(72~144V)	5V 12V 24V 48V	1.5KVAC	-20~+60°C	215x 115x 50	CE CB (D type) EAC
		SD-500	500W	48V(19~72V) 96V, 110V(72~144V)	12V 24V 48V	2KVAC	-20~+60°C	215x 115x 50	CE / CB / EAC
		SD-1000	1000W	48V(19~72V) 96V, 110V(72~144V)	12V 24V 48V	2KVAC	-20~+60°C	295x 127x 41	CE / CB / EAC

Selection Guide

Type	Model		Watt	Vin (Vdc)	Vout (Vdc)	Isolation Voltage	Operating temperature	Dimension (WxHxD)(mm)	Safety
	Picture	Series							
DIN Rail		DDR-15	15W	12V, 24V (9~36V) 24V, 48V (18~75V)	3.3V 5V 12V 15V 24V	4KVDC	-40~+85°C	17.5x 90x 54.5	CE / EAC
		DDR-30	30W	12V, 24V (9~36V) 24V, 48V (18~75V)	5V 12V 15V 24V	4KVDC	-40~+85°C	35x 90x 54.5	CE / EAC
		DDR-60	60W	12V, 24V (9~36V) 24V, 48V (18~75V)	5V 12V 15V 24V	4KVDC	-40~+85°C	52.5x 90x 54.5	CE / EAC
		DDR-120	120W	12V (9~18V) 24V (16.8~33.6V) 48V (33.6~67.2V) 96V, 110V (67.2~154V)	12V 24V 48V	4KVDC	-40~+70°C	32x 125.2x 102	CE / EAC 
		DDR-240	240W	24V (16.8~33.6V) 48V (33.6~67.2V) 96V, 110V (67.2~154V)	24V 48V	4KVDC	-40~+70°C	40x 125.2x 113.5	CE / EAC 

Selection Guide

Type	Model		Watt	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)(mm)	Safety
	Picture	Series							
PCB		PSD-15	15W	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	5V 12V 24V	1.5KVAC	-10~+60°C	94x 49x 25	CE / EAC
		PSD-30	30W	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 24V	1.5KVAC	-20~+60°C	101.6x 50.8x 30	CE / EAC
		PSD-45	45W	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	5V 12V 24V	1.5KVAC	-10~+60°C	127x 76x 30	CB / CE / EAC
On Board		NID-30	30W	24V(20~53V) 48V(30~53V)	5V 12V 15V 24V	NA (Non-Isolated)	-25~+65°C	2"x 0.512"x 0.421"	NA
		NID-60	60W	24V(20~53V) 48V(30~53V)	5V 12V 15V 24V	NA (Non-Isolated)	-25~+65°C	2"x 1.024"x 0.421"	NA
		NSD05-S	5W	12V(9.2~36V) 48V(18~72V)	3.3V 5V 12V 15V	1KVDC	-25~+70°C	1.6"x 1"x 0.327"	CB / CE / EAC
		NSD10-S	10W	12V(9.8~36V) 48V(22~72V)	3.3V 5V 9V 12V 15V	1KVDC	-25~+70°C	2"x 1"x 0.394"	UL / CE / EAC
		NSD10-D	10W	12V(9.8~36V) 48V(22~72V)	±5V ±12V ±15V	1KVDC	-25~+70°C	2"x 1"x 0.394"	UL / CE / EAC
		NSD15-S	15W	12V(9.4~36V) 48V(18~72V)	3.3V 5V 12V 15V	1.5KVDC	-25~+70°C	2"x 1.5"x 0.387"	UL / CE / EAC
		NSD15-D	15W	12V(9.4~36V) 48V(18~72V)	±5V ±12V ±15V	1.5KVDC	-25~+70°C	2"x 1.5"x 0.387"	UL / CE / EAC

Selection Guide

Type	Model		Watt	Package	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)	Safety
	Picture	Series								
Module		SBT01	1W	SMD	5V(4.5~5.5V) 12V(10.8~13.2V)	5V 9V 12V 15V	1KVDC	-40~+85°C	0.5" x 0.3"x 0.24"	UL
		SBTN01	1W	SMD	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	1.5KVDC	-40~+90°C (-40~+105 °C optional)	0.5"x 0.43"x 0.28"	CE/EAC
		SFT01	1W	SMD	5V(4.5~5.5V) 12V(10.8~13.2V)	5V 9V 12V 15V	3KVDC	-40~+85°C	0.6"x 0.295"x 0.255"	UL
		SFTN01	1W	SMD	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	3KVDC	-40~+90°C (-40~+100 °C optional)	0.6"x 0.42"x 0.28"	CE/EAC
		DET01	1W	SMD	5V(4.5~5.5V) 12V(10.8~13.2V)	±5V ±9V ±12V ±15V	3KVDC	-40~+85°C	0.6"x 0.295"x 0.255"	UL
		DETN01	1W	SMD	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	±5V ±12V ±15V	3KVDC	-40~+90°C (-40~+100 °C optional)	0.6"x 0.42"x 0.28"	CE/EAC
		MDS01	1W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	3.3V 5V 12V 15V	6KVDC	-40~+85°C	0.77"x 0.39"x 0.49"	UL/CE
		MDD01	1W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	±5V ±9V ±12V ±15V	6KVDC	-40~+85°C	0.77"x 0.39"x 0.49"	UL/CE
		MDS02	2W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	6KVDC	-40~+85°C	0.77"x 0.39"x 0.49"	UL/CE
		MDD02	2W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	±5V ±9V ±12V ±15V	6KVDC	-40~+85°C	0.77"x 0.39"x 0.49"	UL/CE
		SMU01	1W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 9V 12V 15V	1.5KVDC	-40~+90°C	0.46"x 0.24"x 0.4"	FCC/CE/ EAC
		SMU02	2W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	1.5KVDC	-40~+85°C	0.46"x 0.3"x 0.4"	FCC/CE/ EAC
		SPU01	1W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	1.5KVDC	-40~+90°C	5/12Vin: 0.77"x 0.24"x 0.40" 24Vin: 0.77"x 0.28"x 0.40"	CE/EAC
		DPU01	1W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	±5V ±12V ±15V	1.5KVDC	-40~+90°C	5/12Vin: 0.77"x 0.24"x 0.40" 24Vin: 0.77"x 0.28"x 0.40"	CE/EAC

Selection Guide

Type	Model		Watt	Package	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)	Safety
	Picture	Series								
Module		SPU02	2W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	3KVDC	-40~+71°C	0.77"x 0.28"x 0.4"	CE/FCC/ EAC
		SPU03	3W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 12V 15V	3KVDC	-40~+90°C	0.77"x 0.3"x 0.4"	CE/FCC/ EAC
		SPR01	1W	SIP	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V) 48V(43.2~52.8V)	5V 9V 12V 15V	1KVDC	-25~+71°C	0.77"x 0.28"x 0.4"	CE/FCC/ EAC
		SPA01	1W	SIP	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V	1.5KVDC	-40~+90°C	0.69"x 0.3"x 0.44"	CE/FCC/ EAC
		SPA02	2W	SIP	5V(4.5~9V) 12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V	1KVDC	-40~+85°C	0.86"x 0.36"x 0.44"	CE/FCC/ EAC
		SPAN02	2W	SIP	5V(4.5~9V) 12V(9~18V) 24V(18~36V) 48V(36~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+90°C	0.86"x 0.36"x 0.44"	CE/EAC
		DPAN02	2W	SIP	5V(4.5~9V) 12V(9~18V) 24V(18~36V) 48V(36~75V)	±5V ±12V ±15V	1.5KVDC	-40~+90°C	0.86"x 0.36"x 0.44"	CE/EAC
		SPB03	3W	SIP	5V(4.5~9V) 12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V	1KVDC	-40~+85°C	0.86"x 0.36"x 0.44"	FCC/CE/ EAC
		SPBW03	3W	SIP	24V(9~36V) 48V(18~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+85°C	0.86"x 0.36"x 0.44"	CE/EAC
		DPBW03	3W	SIP	24V(9~36V) 48V(18~75V)	±5V ±12V ±15V	1.5KVDC	-40~+85°C	0.86"x 0.36"x 0.44"	CE/EAC
		SPB05	5W	SIP	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V	1.5KVDC	-40~+80°C	0.86"x 0.36"x 0.44"	FCC/CE/ EAC
		SPBW06	6W	SIP	24V(9~36V) 48V(18~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+85°C	0.86"x 0.36"x 0.44"	CE/EAC
		DPBW06	6W	SIP	24V(9~36V) 48V(18~75V)	±5V ±12V ±15V	1.5KVDC	-40~+85°C	0.86"x 0.36"x 0.44"	CE/EAC
		SRS	0.5W	DIP16	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V) 48V(43.2~52.8V)	5V 9V 12V 15V	1KVDC	-25~+71°C	0.89"x 0.39"x 0.33"	FCC/CE/ EAC
		SUS01	1W	DIP16	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V) 48V(43.2~52.8V)	5V 9V 12V 15V	1KVDC	-25~+71°C	0.89"x 0.39"x 0.33"	FCC/CE/ EAC

Selection Guide

Type	Model		Watt	Package	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)	Safety
	Picture	Series								
Module		SMA01	1W	DIP7	5V(4.5~5.5V) 12V(10.8~13.2V) 24V(21.6~26.4V)	5V 9V 12V 15V	1.5KVDC	-40~+90°C	0.50"x 0.40"x 0.28"	FCC/CE/ EAC
		SLC03	3W	DIP16	12V (9~18V) 24V (18~36V) 48V (36~75V)	5V 12V 15V	1.5KVDC	-40~+85°C	0.87"x 0.54"x 0.34"	CE/EAC
		DLC03	3W	DIP16	12V (9~18V) 24V (18~36V) 48V (36~75V)	±5V ±12V ±15V	1.5KVDC	-40~+85°C	0.87"x 0.54"x 0.34"	CE/EAC
		SCW03	3W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	5V 12V 15V	1KVDC	-40~+71°C	1.25"x 0.8"x 0.48"	FCC/CE/ EAC
		DCW03	3W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	±5V ±12V ±15V	1KVDC	-40~+71°C	1.25"x 0.8"x 0.48"	FCC/CE/ EAC
		SCWN03	3W	DIP24	5V (4.5~9V) 12V (9~18V) 24V (18~36V) 48V (36~72V)	3.3V 5V 12V 15V	3KVDC	-40~+90°C	1.25"x 0.80"x 0.40"	CE/EAC
		DCWN03	3W	DIP24	5V (4.5~9V) 12V (9~18V) 24V (18~36V) 48V (36~72V)	±5V ±12V ±15V	3KVDC	-40~+90°C	1.25"x 0.80"x 0.40"	CE/EAC
		SCW05	5W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	5V 9V 12V 15V	1KVDC	-40~+71°C	1.25"x 0.80"x 0.48"	FCC/CE/ EAC
		DCW05	5W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	±5V ±12V ±15V	1KVDC	-40~+71°C	1.25"x 0.80"x 0.48"	FCC/CE/ EAC
		SCWN06	6W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	3.3V 5V 12V 15V	3KVDC	-40~+90°C	1.25"x 0.80"x 0.40"	CE/EAC
		DCWN06	6W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	±5V ±12V ±15V	3KVDC	-40~+90°C	1.25"x 0.80"x 0.40"	CE/EAC
		SCW08	8W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	5V 12V 15V	1KVDC	-40~+71°C	1.25"x 0.8"x 0.48"	CE/FCC/ EAC
		DCW08	8W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	±5V ±12V ±15V	1KVDC	-40~+71°C	1.25"x 0.8"x 0.48"	CE/FCC/ EAC
		RSDW08	8W	DIP24	12V, 24V (9~36V) 24V, 48V (18~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+85°C	1.25"x 0.80"x 0.40"	CE/EAC
		RDDW08	8W	DIP24	12V, 24V(9~36V) 24V, 48V(18~75V)	±5V ±12V ±15V	1.5KVDC	-40~+85°C	1.25"x 0.80"x 0.40"	CE/EAC
		RSDW10	10W	DIP24	96V, 110V (43~160V)	3.3V 5V 12V 15V	3KVDC	-40~+85°C	1.25"x 0.80"x 0.50"	CE/EAC
		RDDW10	10W	DIP24	96V, 110V (43~160V)	±5V ±12V ±15V	3KVDC	-40~+85°C	1.25"x 0.80"x 0.50"	CE/EAC

Selection Guide

Type	Model		Watt	Package	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)	Safety
	Picture	Series								
Module		SCW12	12W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	5V 12V 15V	1.5KVDC	-40~+71°C	1.25"x 0.80"x 0.48"	FCC/CE/ EAC
		DCW12	12W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~72V)	±5V ±12V ±15V	1.5KVDC	-40~+71°C	1.25"x 0.80"x 0.48"	FCC/CE/ EAC
		SCW20	20W	DIP24	12V (9~18V) 24V (18~36V) 48V (36~75V)	5V 12V 15V	1.5KVDC	-40~+80°C	1.25"x 0.80"x 0.48"	CE/EAC
		SKM10	10W	1"x1"	5V (4.7~9V) 12V (9~18V) 24V (18~36V) 48V (36~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+85°C	1"x 1"x 0.40"	CE/EAC
		DKM10	10W	1"x1"	5V (4.7~9V) 12V (9~18V) 24V (18~36V) 48V (36~75V)	±5V ±12V ±15V	1.5KVDC	-40~+85°C	1"x 1"x 0.40"	CE/EAC
		SKM15	15W	1"x1"	12V (9~18V) 24V (18~36V) 48V (36~75V)	5V 12V 15V	1.5KVDC	-40~+80°C	1"x 1"x 0.39"	FCC/CE/ EAC
		SKMW20	20W	1"x1"	12V, 24V (9~36V) 24V, 48V (18~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+85°C	1"x 1"x 0.40"	CE/EAC
		DKMW20	20W	1"x1"	12V, 24V (9~36V) 24V, 48V (18~75V)	±12V ±15V	1.5KVDC	-40~+85°C	1"x 1"x 0.40"	CE/EAC
		SKMW30	30W	1"x1"	12V, 24V (9~36V) 24V, 48V (18~75V)	3.3V 5V 12V 15V	1.5KVDC	-40~+85°C	1"x 1"x 0.40"	CE/EAC
		DKMW30	30W	1"x1"	12V, 24V (9~36V) 24V, 48V (18~75V)	±12V ±15V	1.5KVDC	-40~+85°C	1"x 1"x 0.40"	CE/EAC
		SLW05	5W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 9V 12V 15V	1KVDC	-25~+71°C	2"x 1"x 0.44"	FCC/CE/ EAC
		DLW05	5W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~72V)	±5V ±12V ±15V	1KVDC	-25~+71°C	2"x 1"x 0.44"	FCC/CE/ EAC
		SKE10	10W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V 24V	1KVDC	-25~+71°C	2"x 1"x 0.44"	FCC/CE/ EAC
		DKE10	10W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~72V)	±5V ±12V ±15V ±24V	1KVDC	-25~+71°C	2"x 1"x 0.44"	FCC/CE/ EAC
		SKA15	15W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~72V)	3.3V 5V 12V 15V	1KVDC	-40~+71°C	2"x 1"x 0.44"	FCC/CE/ EAC
		DKA15	15W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~72V)	±5V ±12V ±15V	1KVDC	-40~+71°C	2"x 1"x 0.44"	FCC/CE/ EAC

Selection Guide

Type	Model		Watt	Package	Vin (Vdc)	Vout (Vdc)	Isolation voltage	Operating temperature	Dimension (LxWxH)	Safety
	Picture	Series								
Module		RSDW20	20W	2"x1"	12V, 24V (9~36V) 24V, 48V (18~75V) 96V, 110V (43~160V)	3.3V 5V 12V 15V	F&G models: 1.5KVDC H models: 3KVDC	-40~+85°C	2"x 1"x 0.4"	CE/EAC 
		RDDW20	20W	2"x1"	12V, 24V (9~36V) 24V, 48V (18~75V) 96V, 110V (43~160V)	±5V ±12V ±15V	F&G models: 1.5KVDC H models: 3KVDC	-40~+85°C	2"x 1"x 0.4"	CE/EAC 
		SKA20	20W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V	1.5KVDC	-40~+85°C	2"x 1"x 0.44"	FCC/CE/ EAC
		SKM30	30W	2"x1"	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V	1.5KVDC	-40~+75°C	2"x 1"x 0.44"	FCC/CE/ EAC
		SKM50	50W	2"x1"	24V(18~36V) 48V(36~72V)	5V 12V 15V	1.5KVDC	-40~+75°C	2"x 1"x 0.54"	FCC/CE/ EAC
		SKE15	15W	2"x2"	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V 24V	1KVDC	-25~+71°C	2"x 2"x 0.43"	FCC/CE/ EAC
		DKE15	15W	2"x2"	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V 12V 15V 24V	1KVDC	-25~+71°C	2"x 2"x 0.43"	FCC/CE/ EAC
		SDM30	30W	2"x2"	12V(9.2~18V) 24V(18~36V) 48V(36~72V)	3.3V 5V 12V 15V	1KVDC	-25~+85°C	2"x 2"x 0.63"	CE/EAC
		DKA30	30W	2"x2"	12V(9~18V) 24V(18~36V) 48V(36~72V)	±5V ±12V ±15V	1KVDC	-40~+85°C	2"x 2"x 0.82"	FCC/CE/ EAC
		TKA30	25W	2"x2"	12V(9~18V) 24V(18~36V) 48V(36~72V)	5V/ ±12V 5V/ ±15V	1KVDC	-40~+85°C	2"x 2"x 0.82"	FCC/CE/ EAC
		SKA40	40W	2"x2"	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V	1.5KVDC	-40~+80°C	2"x 2"x 0.43"	FCC/CE/ EAC
		SKA60	60W	2"x2"	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 15V	1.5KVDC	-40~+70°C	2"x 2"x 0.43"	FCC/CE/ EAC
		MHB75	75W	Half-brick	12V(9~18V) 24V(18~36V) 48V(36~75V)	5V 12V 24V	1.5KVDC	-40~+100°C	2.28"x 2.40"x 0.50"	UL/CE/ EAC
		MHB100	100W	Half-brick	24V(18~36V) 48V(36~75V)	5V 12V 24V	1.5KVDC	-40~+100°C	2.28"x 2.40"x 0.50"	UL/CE/ EAC
		MHB150	150W	Half-brick	48V(36~75V)	5V 12V 24V	1.5KVDC	-40~+100°C	2.28"x 2.40"x 0.50"	UL/CE/ EAC

Selection Guide

Type	Model		Vin (Vdc)	Output		Operating temperature	Dimension (LxWxH)(mm)	Safety
	Picture	Series		Voltage	Current			
Module Type I — LED Driver		LDD-300~700L/LW/LS	9~36V (9~32V for S style)	2~32V (2~28V for S style)	300/350/500/ 600/700mA	-40~+85°C	L/LW:22.6x 9.9x 8.9 LS: 25.4x 10.5x 9.3	FCC CE (EN55015)
		LDD-1000~1500L/LW/LS	6~36V	2~30V	1000/1200/ 1500mA	-40~+71°C	L/LW:31.8x 20.3x 12.2 LS: 31.8x 20.3x 10.9	EAC
		LDD-300~1000H/HW/HS	9~56V	2~52V	300/350/500 600/700/ 1000mA	-40~+85°C	H/HW: 31.8x 20.3x 12.2 HS: 31.8x 20.3x 11.4	FCC CE (EN55015)
		LDD-1200~1500H/HW	9~52V	2~46V	1200/1500mA			EAC
		LDB-300~600L/LW	9~36V	2~40V (By Models)	300/350/ 500/600mA	-40~+71°C	31.8x 20.3x 12.2	FCC CE (EN55015) EAC
		LDD-350~1400H-DA/WDA	6~50V	3~45V (By Models)	350/700/ 1050/1400mA	-40~+85°C	40.6x 23.5x 10.1	 CE (EN55015) EAC
		LDH-45A/B-350~1050W	9~18V 18~32V	12~86V 21~126V (By Models)	350/500 700/1050mA	-40~+70°C	75x 53x 22.7	CE (EN55015) EAC
		LDH-45A/B 350~1050WDA	9~18V 18~32V	24~86V 36~126V (By Models)	350/500 700/1050mA	-40~+70°C	75x 53x 22.7	 CE (EN55015) EAC



AC-DC BATTERY CHARGER

- ▶ 120~326W Portable Battery Charger
- ▶ 300~1000W Stationary Battery Charger

DC-AC POWER INVERTER

- ▶ 500W Stand-alone Solar Inverter
- ▶ 100~2500W Modified Sine Wave
- ▶ 200~3000W True Sine Wave
- ▶ 1500~3000W True Sine Wave with Solar Charger



Total Solution For

Power Inverter & Battery Charger

About MEAN WELL

Established in 1982, MEAN WELL is a leading manufacturer of standard switching power supplies. In response to the world's energy-saving trend, we've come up with a green power solution that include DC/AC inverters, solar inverters, and battery chargers to fulfill the alternative energy requirements in the market. Those products are highly efficient, save energy, low power consumption and approved by global safety/EMC certificates per TUV, UL, and CE, which greatly guarantee your safety for all-purpose solar power applications and any charging system, such as electric scooter, electric bicycle, electric wheelchair... etc.

Backed by 31 years' experience, we have over 5,000 products that allow us to provide "one stop shopping" to our customers. Every product in the MEAN WELL range is the result of rigid procedures governing design, design verification test (DVT), design quality test (DQT), component selection, pilot-run production, and mass production. With our network of over 200 distributors in over 70 countries globally, your order can be delivered within 24 hours. No minimum order required. To source from a trusted industry supplier, contact us today!



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120~326W Portable Battery Charger

Features

- Universal AC input / Full range
- AC input range selectable by switch (PB-120)
- No load power consumption < 0.5W (GC120)
No load power consumption < 1W (GC160/220/330)
- High efficiency up to 94%
- Built-in active PFC function, PF>0.9 (GC series)
Built-in passive PFC function (PB-120)
- Fully enclosed plastic case (GC series)
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Fanless design , cooling by free air convection (GC series)

Please refer to www.meanwell.com for detail spec.



Model Name	GC120	GC160	GC220	GC330□	P□-120 =A: pulse charge B: 2 section voltage charge	PB-230
AC input voltage range	85~264VAC	90~264VAC			88~132VAC / 176~264VAC selectable by switch	90~264VAC
Charge style	2 stage				3 stage	
Over voltage protection	105%~135%, shut off O/P voltage, re-power on to recover				108%~127%, shut off output voltage, re-power on to recover (PB-230: 102%~125%)	
Withstand voltage	I/P-O/P: 3kVAC, 1 minute					
Working temperature	-30~+70°C	-30~60°C			-10~+45°C	-20~+50°C
Safety standards	GC120~220: UL1012 (AD1-Type only), EN60950-1 GC330: UL60950-1, EN60950-1				UL60950-1, TUV EN60950-1, EN60335-2-29 (except for 55.2V)	UL1012 (AD1-Type only), TUV EN60950-1
EMC standards	EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3, FCC part15 class B				EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3	
Standard DC output plug (Male, power supply side)	Power DIN 4P with lock type, Kycon KPPX-4P equivalent	4P/AMP 1-480702-0 equivalent			MIC 3P	MIC 4P

120W

Model Name	Wattage	Output	Effi.
GC120A12-□	102W	13.6V, 7.50A	86.5%
GC120A24-□	120W	27.2V, 4.42A	90.0%
GC120A48-□	120W	54.4V, 2.21A	91.0%

□ = R7B, AD1

120W

Model Name	Wattage	Output	Effi.
P□-120-13	99W	13.8V, 0~7.2A	73.0%
P□-120-27	119W	27.6V, 0~4.3A	79.0%
P□-120-54	121W	55.2V, 0~2.2A	79.0%

230W

Model Name	Wattage	Output	Effi.
PB-230-12 □	230W	14.4V, 0~16A	81.5%
PB-230-24 □	230W	28.8V, 0~8A	85.5%
PB-230-48 □	230W	57.6V, 0~4A	86.0%

□ = Blank, AD1 ; Blank: Power DIN 4P, AD1: Anderson Connector

160W

Model Name	Wattage	Output	Effi.
GC160A12-□	136W	13.6V, 10.0A	89.0%
GC160A24-□	160W	27.2V, 5.89A	92.5%
GC160A48-□	160W	54.4V, 2.95A	94.0%

□ = R7B, AD1

218W

Model Name	Wattage	Output	Effi.
GC220A12-□	184W	13.6V, 13.5A	89.0%
GC220A24-□	218W	27.2V, 8A	92.5%
GC220A48-□	218W	54.4V, 4A	93.0%

□ = R7B, AD1

326W

Model Name	Wattage	Output	Effi.
GC330A36-C4P	326W	40.8V, 8A	93.5%
GC330A48-C4P	326W	54.4V, 6A	93.5%

Model Name	Output Connector	Safety
GC120A△-R7B	Power DIN 4P	 (GC series only)
GC160A△-R7B		
GC220A△-R7B		
PB-230-△		
GC120A△-AD1		 (GC series only)
GC160A△-AD1		
GC220A△-AD1		
PB-230-△AD1		
GC330AO-C4P	AMP Connector	 (GC series only)

• UL1012 listed only for "Anderson Connector"

- △ = 12,24,48 ; R7B: Power DIN 4P, AD1: Anderson Connector
- = 36,48 ; C4P: AMP 1-480702-0 equivalent



300~1000W

Stationary Battery Charger

Features

- Universal AC input / Full range (PB-600/1000)
- AC input range selectable by switch (PB-300/360)
- Built-in passive PFC function (PB-300P/360P)
- Built-in active PFC function (PB-600/1000)
- 3 poles AC inlet IEC320-C14
- Cooling by built-in DC fan (except for PB-300)
- Built-in ON/OFF power switch
- Built-in remote ON/OFF control
- 2/3/8 stage smart charger for PB-600/1000
- Protections:
Short circuit / Over voltage / Over temperature / Reverse polarity
- LED indicator for charging status
- 3 years warranty

Please refer to www.meanwell.com for detail spec.



▲ PB-300 253x 135x 48.5 mm



▲ PB-360 253x 135x 48.5 mm



▲ PB-600 230x 158x 67 mm



▲ PB-1000 300x 184x 70 mm

Model Name	PB-300	PB-360	PB-600	PB-1000
AC input voltage range	90~132VAC / 180~264VAC selectable by switch		90~264VAC	
Charge style	3 stage		2/3/8 stage (selectable)	
Over voltage protection	108%~125%		112%~125%	110%~125%
Type	shut off output voltage, re-power on to recover			
Withstand voltage	I/P-O/P: 3kVAC, 1 minute			
Working temperature	-10~+50°C	-20~+60°C		
Safety standards	PB-300/360: UL60950-1, CB IEC60335-2-29 (except for 48V) PB-600: UL1012, TUV EN60950-1 (48V only), TUV EN60335-2-29 (except for 48V) PB-1000: UL60950-1, TUV EN60950-1			
EMC standards	EN55022 class B, EN61000-4-2,3,4,5,6,8,11, EN61000-3-2,3 (except for PB-300N/360N)			
DC output connector	Terminal block 2P			Terminal block 3P

300W

Model Name	Wattage	Output	Effi.
PB-300□-12	300W	14.4V, 0~20.85A	85%
PB-300□-24	302W	28.8V, 0~10.5A	86%
PB-300□-48	305W	57.6V, 0~5.3A	88%

□ =P, N ; P: with PFC, N: non PFC

600W

Model Name	Wattage	Output	Effi.
PB-600-12	576W	14.4V, 0~40.0A	86%
PB-600-24	605W	28.8V, 0~21.0A	87%
PB-600-48	605W	57.6V, 0~10.5A	89%

360W

Model Name	Wattage	Output	Effi.
PB-360□-12	350W	14.4V, 0~24.3A	85%
PB-360□-24	360W	28.8V, 0~12.5A	86%
PB-360□-48	360W	57.6V, 0~6.25A	87%

□ =P, N ; P: with PFC, N: non PFC

1000W

Model Name	Wattage	Output	Effi.
PB-1000-12	864W	14.4V, 0~60.0A	85%
PB-1000-24	999W	28.8V, 0~34.7A	88%
PB-1000-48	1002W	57.6V, 0~17.4A	89%

500W DC/AC Off-Grid Solar Inverter



Features

- True sine wave output (THD<3%)
- Built-in 500W MPPT solar charger, MPPT efficiency: 98% (Peak)
- High surge power up to 1000W
- Output voltage / Frequency adjustable
- High efficiency up to 88%
- Front panel indicator for operation status
- Protections:
Input: Bat. low alarm / Bat. low shutdown / Reverse polarity / Over voltage
Output: Short circuit / Overload / Over temperature
- 3 years warranty



Please refer to www.meanwell.com for detail spec.



205x 158x 67 mm

FCC/CE pending

Output power	500W (rated power); 1000W (surge power)
DC input rated voltage	12VDC, 24VDC or 48VDC
AC output voltage	100/110/115/120VAC; 200/220/230/240VAC adjustable via setting button on front panel
Output frequency	50Hz/60Hz adjustable via setting button on front panel
AC output waveform	True sine wave, THD<3.0%
AC output regulation	±3% of rated output voltage
No load dissipation (Typ.)	≤15W
Working temperature	-20~+60°C (refer to output derating curve)
Solar Panel	Input voltage range 25~50V, 35~90V or 70~160V Max. short circuit current 11A (4.5A for 48VDC input) Rated charger power 500W
Safety standards	EN60950-1(LVD)
EMC standards	FCC part 15 class B, EN55022 class B, EN61000-4-2,3,8

Model Name	Continue Power	Input VDC	Output VAC/Hz	Output socket	Effi.
ISI-501-112□	450W	10.5~15	110/60	TYPE-A	85%
ISI-501-124□	500W	21~30	110/60	TYPE-A	87%
ISI-501-148□	500W	42~60	110/60	TYPE-A	87%
ISI-501-212□	450W	10.5~15	230/50	TYPE-B	86%
ISI-501-224□	500W	21~30	230/50	TYPE-B	88%
ISI-501-248□	500W	42~60	230/50	TYPE-B	88%

□ = A, B (standard model), C, D, E, F, U (optional model)

► Please refer to Page 4 for AC output receptacle list

100~2500W Modified Sine Wave



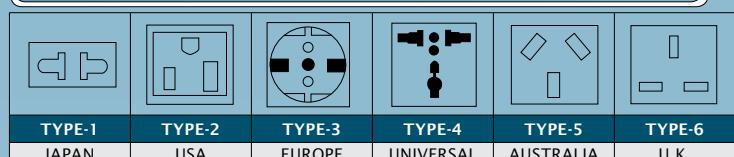
Please refer to www.meanwell.com for detail spec.

Features

- High frequency design
- Input protections:
Reverse polarity / Over and under voltage / Battery low alarm and shutdown
- Output protections: Short circuit / Overload / Over temp.
- With power ON/OFF switch and LED indicator
- Built-in remote ON/OFF control for 1000~2500W (optional)
- **Built-in USB interface and without fan for 100W**
- Input and output fully isolation
- Low power consumption (standby)
- LVD meet EN60950-1 and e13 mark
- EMC meet EN61000-4-2,3, EN55022
- 1 year warranty



AC Output Receptacle (optional) for A301/A302 Series



► Please consult MeanWell for other kinds of optional socket.
TYPE-2,3 (standard model) ; TYPE-1,4,5,6 (optional model)



Model Name	A301	A302
DC input rated voltage	12.5VDC	25.0VDC
AC output voltage / Frequency	110VAC(rms) / 60Hz or 230VAC(rms) / 50Hz	
Max. output power	100W, 150W, 300W, 600W, 1000W, 1500W, 2500W	
USB output power	5VDC / 500mA (100W only)	
AC output regulation	±10% of rated output voltage	
Bat. low alarm	10±0.5VDC	20.5±1.0VDC
Bat. low shut down	9.5±0.5VDC	19.5±1.0VDC
I/P over voltage protection	15~17VDC	30~32VDC
Working temperature	0~+40°C (0~+25°C for 2500W)	
Safety standards	Compliance to EN60950-1(LVD)	
EMC standards	Compliance to EN55022 class B, e-mark, EN61000-4-2,3	

100W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-100-F3	100W	10-15	230 / 50	TYPE-3	90%
A302-100-F3	100W	21-30	230 / 50	TYPE-3	90%
150W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-150-B2	150W	10-15	110 / 60	TYPE-2	78%
A301-150-F3	150W	10-15	230 / 50	TYPE-3	78%
A302-150-B2	150W	21-30	110 / 60	TYPE-2	82%
A302-150-F3	150W	21-30	230 / 50	TYPE-3	82%
300W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-300-B2	300W	10-15	110 / 60	TYPE-2	82%
A301-300-F3	300W	10-15	230 / 50	TYPE-3	82%
A302-300-B2	300W	21-30	110 / 60	TYPE-2	85%
A302-300-F3	300W	21-30	230 / 50	TYPE-3	85%
600W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-600-B2	600W	10-15	110 / 60	TYPE-2	82%
A301-600-F3	600W	10-15	230 / 50	TYPE-3	82%
A302-600-B2	600W	21-30	110 / 60	TYPE-2	85%
A302-600-F3	600W	21-30	230 / 50	TYPE-3	85%

1000W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-1K0-B2	1000W	10-15	110 / 60	TYPE-2	82%
A301-1K0-F3	1000W	10-15	230 / 50	TYPE-3	82%
1500W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-1K7-B2	1500W	10-15	110 / 60	TYPE-2	82%
A301-1K7-F3	1500W	10-15	230 / 50	TYPE-3	82%
A302-1K7-B2	1500W	21-30	110 / 60	TYPE-2	85%
A302-1K7-F3	1500W	21-30	230 / 50	TYPE-3	85%
2500W					
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
A301-2K5-B4	2500W	10-15	110 / 60	TYPE-2	82%
A301-2K5-F3	2500W	10-15	230 / 50	TYPE-3	82%
A302-2K5-B4	2500W	21-30	110 / 60	TYPE-2	85%
A302-2K5-F3	2500W	21-30	230 / 50	TYPE-3	85%

200~700W

True Sine Wave

Please refer to www.meanwell.com for detail spec.

Features

- True sine wave output (THD<3%)
- 2 times high surge power for motor related application**
- Advanced digital control by microprocessor
- Output voltage / frequency adjustable
- High efficiency up to 91%
- Conformal coating for TS-700**
- Standby saving mode to conserve energy (TS-700)
- Built-in fan ON/OFF control function (TS-400/700)
- Fanless design, cooling by free air convection (TS-200)
- Front panel indicator for load / battery / operation status

- High frequency design
- Input protections:**
Bat. low alarm / Bat. low shutdown / Reverse polarity / Over voltage
- Output protections:**
Short circuit / Overload / Over temperature
- Applications:**
Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- 3 years warranty



Rated output power	200W	400W	700W
Maximum output power	230W for 3 minutes; 300W for 10 sec.	460W for 3 minutes; 600W for 10 sec.	800W for 3 minutes; 1050W for 10 sec.
Output surge rating (30 cycles)	400W	800W	1400W
DC input rated voltage	12VDC, 24VDC or 48VDC		
AC output voltage	100 / 110 / 115 / 120VAC; 200 / 220 / 230 / 240VAC adjustable via setting button on front panel		
Output frequency	50Hz / 60Hz adjustable via setting button on front panel		
AC output waveform	True sine wave, THD<3.0%		
AC output regulation (Typ.)	±3% of rated output voltage		
No load dissipation (Typ.)	≤15W		≤6W@standby saving mode
Working temperature	-10~+60°C		0~+60°C
Safety standards	110V	Design refer to UL458	
	230V	Compliance to EN60950-1(LVD)	
EMC standards	110V	Compliance to FCC part 15 class A	
	230V	Compliance to EN55022 class A, E-Mark, EN61000-4-2,3,8	

200W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-200-112[A]	200W	10.5-15	110 / 60	TYPE-A	86.0%
TS-200-124[A]	200W	21.0-30	110 / 60	TYPE-A	87.5%
TS-200-148[A]	200W	42.0-60	110 / 60	TYPE-A	88.0%
TS-200-212[B]	200W	10.5-15	230 / 50	TYPE-B	86.0%
TS-200-224[B]	200W	21.0-30	230 / 50	TYPE-B	87.5%
TS-200-248[B]	200W	42.0-60	230 / 50	TYPE-B	88.0%

400W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-400-112[A]	400W	10.5-15	110 / 60	TYPE-A	84.5%
TS-400-124[A]	400W	21.0-30	110 / 60	TYPE-A	86.0%
TS-400-148[A]	400W	42.0-60	110 / 60	TYPE-A	87.0%
TS-400-212[B]	400W	10.5-15	230 / 50	TYPE-B	86.0%
TS-400-224[B]	400W	21.0-30	230 / 50	TYPE-B	87.5%
TS-400-248[B]	400W	42.0-60	230 / 50	TYPE-B	88.5%

700W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-700-112[A]	700W	10.5-15	110 / 60	TYPE-A	86%
TS-700-124[A]	700W	21.0-30	110 / 60	TYPE-A	88%
TS-700-148[A]	700W	42.0-60	110 / 60	TYPE-A	89%
TS-700-212[B]	700W	10.5-15	230 / 50	TYPE-B	89%
TS-700-224[B]	700W	21.0-30	230 / 50	TYPE-B	90%
TS-700-248[B]	700W	42.0-60	230 / 50	TYPE-B	91%

AC Output Receptacle List

TYPE-A	TYPE-B	TYPE-C	TYPE-D
USA	Europe	Australia	U.K.
TYPE-E	TYPE-F	TYPE-G	TYPE-U
		(Terminal only)	
Japan	GFCI	-----	Universal

► Please consult MEAN WELL for other kinds of optional output socket.

□= A, B (standard model), C, D, E, F (optional model)

1000~3000W True Sine Wave

Please refer to www.meanwell.com for detail spec.



Features

- True sine wave output (THD<3%)
- 2 times high surge power for motor related application
- Advanced digital control by microprocessor
- High efficiency up to 92%
- Conformal coating
- Standby saving mode to conserve energy
- Built-in fan ON/OFF control function
- Output voltage / frequency adjustable
- Front panel indicator for load / battery / operation status

- High frequency design
- Input protections:
Bat. low alarm / Bat. low shutdown / Reverse polarity / Over voltage
- Output protections:
Short circuit / Overload / Over temperature
- Applications:
Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- 3 years warranty



TS-1000



345x 184x 70 mm

TS-1500



420x 220x 88 mm

TS-3000



466.8x 283.5x 100 mm

Rated output power	1000W	1500W	3000W
Maximum output power	1150W for 3 minutes; 1500W for 10 sec.	1725W for 3 minutes ; 2250W for 10 sec.	3450W for 3 minutes ; 4500W for 10 sec.
Output surge rating (30 cycles)	2000W	3000W	6000W
DC input rated voltage	12VDC, 24VDC or 48VDC		
AC output voltage	100 / 110 / 115 / 120VAC or 200 / 220 / 230 / 240VAC adjustable via setting button on front panel		
Output frequency	50Hz/60Hz adjustable via setting button on front panel		
AC output waveform	True sine wave, THD<3.0%		
AC output regulation (Typ.)	±3% of rated output voltage		
No load dissipation (Typ.)	≤6W @ standby saving mode	≤18W @ standby saving mode	≤10W @ standby saving mode
Working temperature	0~+60°C		
Safety standards	110V 230V	UL458 approved (except for 48V and only for GFCI receptacle) Compliance to EN60950-1 (LVD)	UL458 approved for TYPE-G
EMC standards	110V 230V	Compliance to FCC part 15 class A Compliance to EN55022 class A (class B for TS-1500), E-Mark, EN61000-4-2,3,8	

1000W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-1000-112[A]	1000W	10.5-15	110 / 60	TYPE-A	88%
TS-1000-124[A]	1000W	21.0-30	110 / 60	TYPE-A	89%
TS-1000-148[A]	1000W	42.0-60	110 / 60	TYPE-A	90%
TS-1000-212[B]	1000W	10.5-15	230 / 50	TYPE-B	90%
TS-1000-224[B]	1000W	21.0-30	230 / 50	TYPE-B	91%
TS-1000-248[B]	1000W	42.0-60	230 / 50	TYPE-B	92%

1500W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-1500-112[A]	1500W	10.5-15	110 / 60	TYPE-A	87%
TS-1500-124[A]	1500W	21.0-30	110 / 60	TYPE-A	89%
TS-1500-148[A]	1500W	42.0-60	110 / 60	TYPE-A	89%
TS-1500-212[B]	1500W	10.5-15	230 / 50	TYPE-B	88%
TS-1500-224[B]	1500W	21.0-30	230 / 50	TYPE-B	90%
TS-1500-248[B]	1500W	42.0-60	230 / 50	TYPE-B	91%

3000W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TS-3000-112[A]	3000W	10.5-15	110 / 60	TYPE-A	88%
TS-3000-124[A]	3000W	21.0-30	110 / 60	TYPE-A	90%
TS-3000-148[A]	3000W	42.0-60	110 / 60	TYPE-A	91%
TS-3000-212[B]	3000W	10.5-15	230 / 50	TYPE-B	89%
TS-3000-224[B]	3000W	21.0-30	230 / 50	TYPE-B	91%
TS-3000-248[B]	3000W	42.0-60	230 / 50	TYPE-B	92%

Inverter Remote Controller

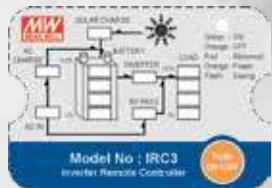
IRC series is the monitoring and control unit used for the inverter series. It can decode the RS-232 signal sent by inverter series and display through digital meters.



75x 55x 21mm

Features:

- Wall-mounted and control panel assembly acceptable
- Built-in ON/OFF button
- LED indicators for remote ON/OFF, abnormal and power saving mode
- Equipped with 10FT cable, optional for 25FT or 50FT
- Connect directly to the remote socket of inverter; no power supply needed
- Suitable series:
IRC1: TS-700 / 1000 / 1500 / 3000
TN-1500 / 3000
IRC2: TS-700 / 1000 / 1500 / 3000
IRC3: TN-1500 / 3000
- 3 years warranty



□ = A, B (standard model), C, D, E, F (optional model), G (optional model for TS-3000 only)

► Please refer to page 4 for AC output receptacle list.

1500~3000W



True Sine Wave with Solar Charger

Features

- True sine wave output (THD<3%)
- 2 times high surge power for motor related application
- Advanced digital control by microprocessor
- High frequency design; high efficiency up to 92%
- Conformal coating
- Standby saving mode to conserve energy
- Built-in fan ON/OFF control function
- Output voltage / frequency adjustable
- Input protections: Bat. low alarm / Bat. low shutdown / Reverse polarity / Over voltage

- Solar input current up to 30A max.
- Output protections: Short circuit / Overload / Over temperature / AC circuit breaker
- Front panel indicator for load / battery / operation status
- Selectable UPS & energy saving mode
- AC bypass / Built-in AC and solar charger
- Fast transfer time under 10ms (Inverter mode ⇔ Bypass mode)
- Optional monitoring software and connection cable (MW order No.: DS-TN-1500 for TN-1500/3000)



TN-1500



420x 220x 88 mm

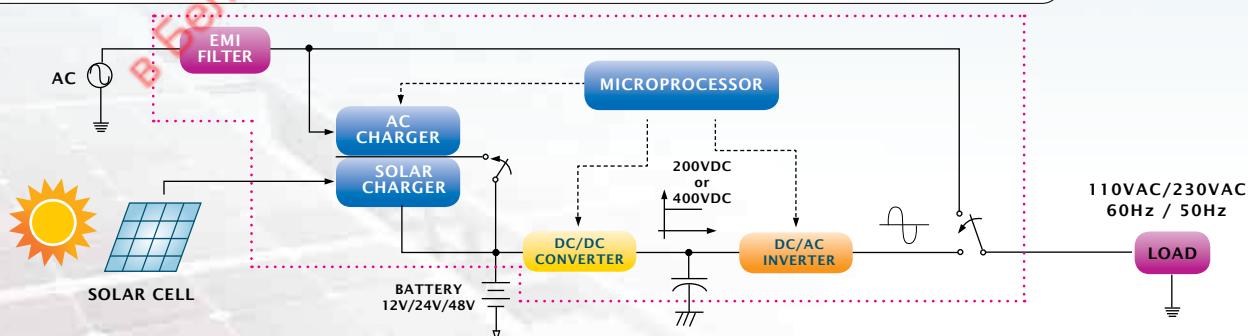
TN-3000



466.8x 283.5x 100 mm

Rated output power	1500W	3000W
Maximum output power	1725W for 3 minutes ; 2250W for 10 seconds	3450W for 3 minutes ; 4500W for 10 seconds
Output surge rating (30 cycles)	3000W	6000W
DC input rated voltage	12VDC, 24VDC or 48VDC	
AC output voltage	100 / 110 / 115 / 120VAC or 200 / 220 / 230 / 240VAC adjustable via front panel or monitoring software	
AC output regulation (Typ.)	±3% of rated output voltage	
No load dissipation (Typ.)	≤18W @ standby saving mode	≤10W @ standby saving mode
Output frequency	50Hz/60Hz adjustable via front panel or monitoring software	
AC output waveform	True sine wave, THD<3.0%	
Transfer time (Typ.)	10ms; inverter mode ⇔ Bypass mode	
Working temperature	0~+60°C	
Safety standards	110V UL458 approved (except for 48V and only for GFCI receptacle) 230V Compliance to EN60950-1 (LVD)	UL458 approved for TYPE-G
EMC standards	110V Compliance to FCC part 15 class A 230V Compliance to EN55022 class A (class B for TN-1500), E-Mark, EN61000-4-2,3,4,5,6,8,11	

Solar Inverter Block Diagram (Inverter with AC & Solar Charger) – TN Series



1500W

Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TN-1500-112[A]	1500W	10.5-15	110 / 60	TYPE-A	87%
TN-1500-124[A]	1500W	21.0-30	110 / 60	TYPE-A	89%
TN-1500-148[A]	1500W	42.0-60	110 / 60	TYPE-A	89%
TN-1500-212[B]	1500W	10.5-15	230 / 50	TYPE-B	88%
TN-1500-224[B]	1500W	21.0-30	230 / 50	TYPE-B	90%
TN-1500-248[B]	1500W	42.0-60	230 / 50	TYPE-B	91%

3000W

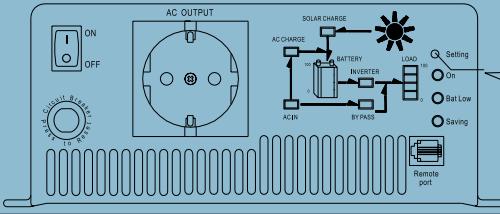
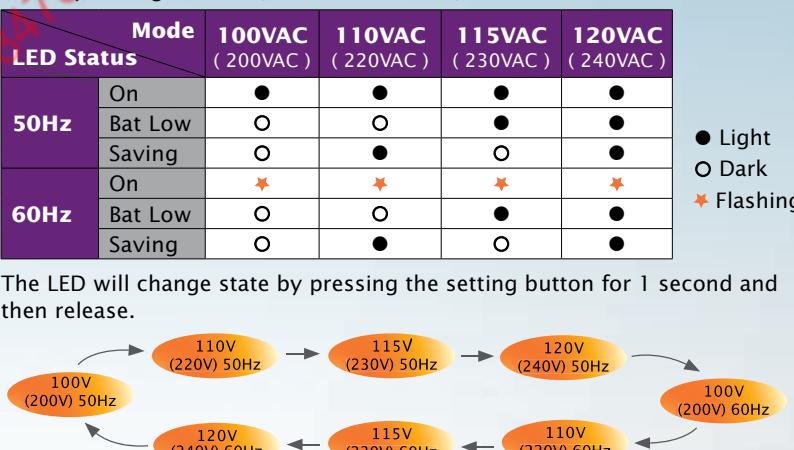
Model Name	Continue power	Input VDC	Output VAC / Hz	Output socket	Effi.
TN-3000-112[A]	3000W	10.5-15	110 / 60	TYPE-A	88%
TN-3000-124[A]	3000W	21.0-30	110 / 60	TYPE-A	90%
TN-3000-148[A]	3000W	42.0-60	110 / 60	TYPE-A	91%
TN-3000-212[B]	3000W	10.5-15	230 / 50	TYPE-B	89%
TN-3000-224[B]	3000W	21.0-30	230 / 50	TYPE-B	91%
TN-3000-248[B]	3000W	42.0-60	230 / 50	TYPE-B	92%

[] = A, B (standard model), C, D, E, F (optional model), G (optional model for TN-3000 only)

► Please refer to page 4 for AC output receptacle list.

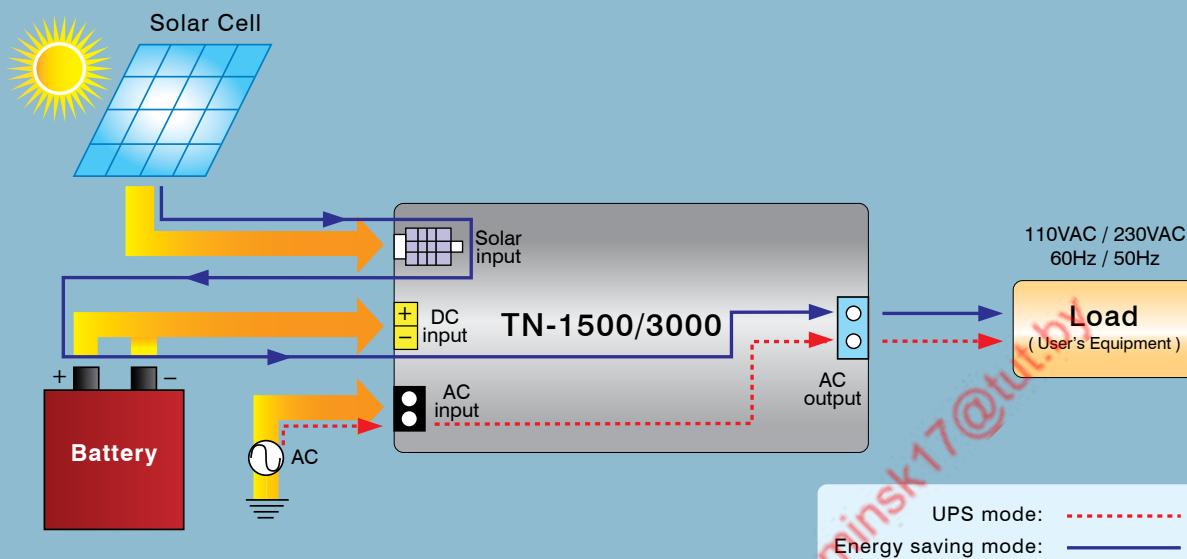
Setting Procedure via Front Panel

for TS/TN-1500/3000 Series

Front Panel			Use an insulated stick to press this setting button																																			
Function		Setting Procedure																																				
First Level	UPS and Energy Saving Mode Selection	<p>Step 1 The inverter should be turned off while resetting, input batteries should be connected. AC main can either be connected or disconnected, and the load should be removed.</p> <p>Step 2 Use an insulated stick to press the setting button and then turn on the power switch. After pressing for 5 seconds, the inverter will send out a "Beep" sound. User can release the button and go into the setting procedure.</p> <p>Step 3 Please refer to table below and check the LED status to see if the operating mode is the one you need. (Factory setting: UPS mode)</p> <table border="1"> <thead> <tr> <th>Mode LED Status</th><th>UPS Mode</th><th>Energy Saving Mode</th></tr> </thead> <tbody> <tr> <td>On</td><td>○</td><td>●</td></tr> <tr> <td>Bat Low</td><td>★</td><td>★</td></tr> <tr> <td>Saving</td><td>★</td><td>★</td></tr> </tbody> </table> <p>Step 4 The LED will change state by pressing the setting button for 1 second and then release.</p>	Mode LED Status	UPS Mode	Energy Saving Mode	On	○	●	Bat Low	★	★	Saving	★	★																								
Mode LED Status	UPS Mode	Energy Saving Mode																																				
On	○	●																																				
Bat Low	★	★																																				
Saving	★	★																																				
Second Level	Output Voltage and Frequency Adjustment	<p>Step 1 After selecting the operating mode, pressing the setting button for 3~5 seconds and the inverter will send out a "Beep" sound. The button can be released and you can go on to the second section of "voltage / frequency".</p> <p>Step 2 Please refer to table below and check the LED status to see if the output voltage / frequency is the one you need (Factory setting: 230VAC/50Hz or 110VAC / 60Hz)</p> <table border="1"> <thead> <tr> <th>Mode LED Status</th><th>100VAC (200VAC)</th><th>110VAC (220VAC)</th><th>115VAC (230VAC)</th><th>120VAC (240VAC)</th></tr> </thead> <tbody> <tr> <td>50Hz</td><td>On ●</td><td>●</td><td>●</td><td>●</td></tr> <tr> <td></td><td>Bat Low ○</td><td>○</td><td>●</td><td>●</td></tr> <tr> <td></td><td>Saving ○</td><td>●</td><td>○</td><td>●</td></tr> <tr> <td>60Hz</td><td>On ★</td><td>★</td><td>★</td><td>★</td></tr> <tr> <td></td><td>Bat Low ○</td><td>○</td><td>●</td><td>●</td></tr> <tr> <td></td><td>Saving ○</td><td>●</td><td>○</td><td>●</td></tr> </tbody> </table> <p>Step 3 The LED will change state by pressing the setting button for 1 second and then release.</p> 	Mode LED Status	100VAC (200VAC)	110VAC (220VAC)	115VAC (230VAC)	120VAC (240VAC)	50Hz	On ●	●	●	●		Bat Low ○	○	●	●		Saving ○	●	○	●	60Hz	On ★	★	★	★		Bat Low ○	○	●	●		Saving ○	●	○	●	
Mode LED Status	100VAC (200VAC)	110VAC (220VAC)	115VAC (230VAC)	120VAC (240VAC)																																		
50Hz	On ●	●	●	●																																		
	Bat Low ○	○	●	●																																		
	Saving ○	●	○	●																																		
60Hz	On ★	★	★	★																																		
	Bat Low ○	○	●	●																																		
	Saving ○	●	○	●																																		
Third Level	Saving Mode Selection	<p>Step 1 After selecting the output voltage and frequency, press the setting button for 5 seconds and the inverter will send out a "Beep" sound. The button can be released and you can go into the setting section for "saving mode".</p> <p>Step 2 Please refer to table below and check the LED status. (Factory setting: saving mode OFF)</p> <table border="1"> <thead> <tr> <th>Mode LED Status</th><th>ON</th><th>OFF</th></tr> </thead> <tbody> <tr> <td>On</td><td>★</td><td>★</td></tr> <tr> <td>Bat Low</td><td>★</td><td>★</td></tr> <tr> <td>Saving</td><td>●</td><td>○</td></tr> </tbody> </table> <p>Step 3 The LED will change state by pressing the setting button for 1 second and then release.</p> <p>Step 4 Press the setting button for 5 seconds and the inverter will send out a "Beep" sound, the button can be released and all the setting are finished. The inverter will automatically store all the setting and then start to operate.</p>	Mode LED Status	ON	OFF	On	★	★	Bat Low	★	★	Saving	●	○																								
Mode LED Status	ON	OFF																																				
On	★	★																																				
Bat Low	★	★																																				
Saving	●	○																																				
<p>Note: 1. Descriptions which are highlighted represent functions exclusive to the TN-1500/3000 series. 2. For setting procedure of other product series, please refer to http://www.meanwell.com/product/inverter/inverter01.html</p>																																						

Comparison of UPS and Energy Saving Mode

UPS and Energy Saving Block Diagram



Operation Mode	Description & Special Feature	Possible Application
UPS mode	<p>Utility has the highest priority, the TN unit will operate as an UPS system.</p> <p>Utility $\xrightarrow{\text{bypass}}$ load (user's equipment)</p> <p>$\xrightarrow{\text{back-up}}$ battery bank $\xrightarrow{\text{Inverter}}$ load (user's equipment)</p> <ul style="list-style-type: none"> Area with unstable utility Better performance as compared to conventional UPS (capable of withstanding heavy load) 	<ul style="list-style-type: none"> Office: computer system, security system, printer, scanner, fax...etc. Home: personal computer, refrigerator, lighting...etc. Telecom sub-station
Energy Saving mode	<p>Solar energy has the highest priority. Utility bill can be reduced since the TN unit acquires energy from the solar panel as higher priority.</p> <p>Solar panel \longrightarrow battery bank \longrightarrow inverter \longrightarrow load (user's equipment)</p> <ul style="list-style-type: none"> With additional solar panel. It can be used as individual sub power station (Independent power station) Area without utility or unstable utility Cut cost on utility bill 	<ul style="list-style-type: none"> High altitude location or green building: weather station, lighting, hair dryer...etc. Yacht: TV, DVD, radio, air conditioner, coffee maker...etc. Vehicle: mobile phone charger, notebook, electronic pot...etc.

Notice

- Modified sine wave inverter is a stepped waveform that is designed to have characteristics similar to the sine wave shape of utility power. It is suitable for most household applications, such as notebook, PC, MP3 player, cell phone charger, and digital camera...etc. but may present certain compromises with some loads such as ham radio, microwave oven(with clock), laser printer, motor speed controller, transformer-less charger, and load with high surge demand (capacitance, fluorescent lamp...etc.).
- True sine wave inverter is suitable for most AC loads, including all electronic equipment of household, motor related application such as electronic drill, linear and switching power supply used in electronic equipment.

Applications

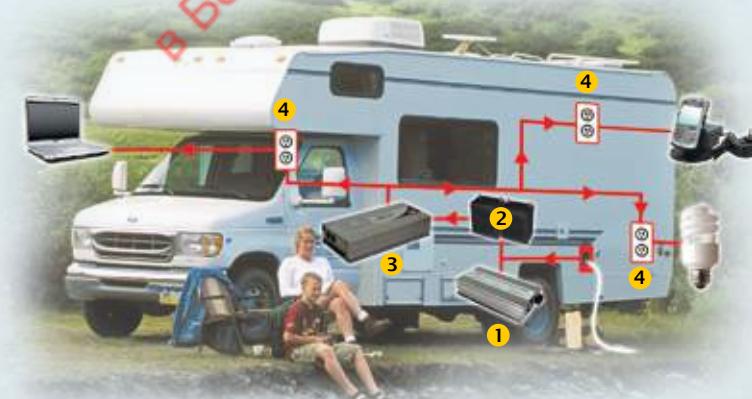


- ① Solar Panel
- ② Battery Bank
- ③ Off-Grid DC/AC Solar Inverter (TN Series)
- ④ AC Input (bypass)
- ⑤ AC Outlet

- ① Utility Input (Shore)
- ② AC/DC Battery Charger (PB series)
- ③ Battery Bank
- ④ Off-Grid AC/DC Power Inverter (TS series)
- ⑤ AC Outlet



- ① AC/DC Battery Charger (PB series)
- ② Battery Bank
- ③ Off-Grid DC/AC Inverter (TS series)
- ④ AC Outlet



Applications:

TV, DVD, notebook, personal computer, lighting, refrigerator, fan, radio, hair dryer, electronic pot, coffee maker, and cell phone charger...etc.