Mean Well MW в Беларуси +375447584780 Viber email minsk17@tut.by

www.fotorele.net www.tiristor.by tel.+375 29 758 47 80 MTC

где и как купить в Минске?

купить, продажа



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 настоя щее 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 АС/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 подтв ерждено 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 Bt;

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



Your Reliable Power Partner



High Performance & Slim Design

Sign Panel Power Supply

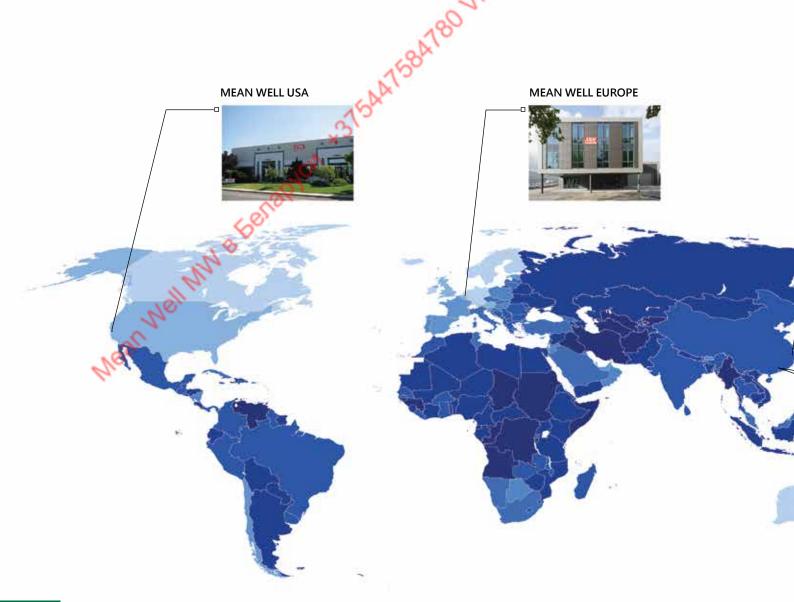
150W~500W AC/DC LED Display Switching Power Supplies



Company Profile

Established in 1982, MEAN WELL is a leading standard switching power supply manufacturers in the world. MEAN WELL currently operates under five financially independent but cooperating 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 power supplies, adaptors, DC/AC inverters and battery chargers. We have over 9,000 standard models widely used in medical, automation, communication, LED lighting, moving sign, and office automation fields.

With more than 30 years of experience, our products have been widely applied to LED moving sign panel due to its high reliability and the best C/P value, and have received outstanding customers' feedback and market shares. These years, MEAN WELL dedicates to the development of green energy-saving products.



With our talented R&D team' s efforts, the new generation 150~500W LED display power solution have successfully launched into markets. The ultra-low profile design that allows the height and weight of the sign module to be lowered greatly simplifies the delivery and installation process. Accounting for high efficiency and energy saving, the whole series effectively achieves electricity reduction. Various models with single output or dual outputs are provided for selection, and comply with the international regulation such as UL, CUL, TUV, CCC, CB and CE. MEAN WELL LED display power solution is suitable for indoor/outdoor LED electronic signage, moving sign, small pixel pitch LED display, LED channel letter, LED TV wall and others.

With more than 30 years of experience in R&D and production of standard power supplies, MEAN WELL has ten product category covering 9,000 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 70 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 LED display power supply products comply with UL / CUL / CCC / TUV / CB / CE / CQC certificates, including UL60950-1, TUV EN60950-1, IEC 60950-1, EN55011, EN55032, GB4943.











enen



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.



Selection Guide

F	amily	Р	FC	Innut Panga	Output	Fan	Remote ON/OFF	Remote	Effi.	Dimension	Moist	cureproof	Warranty	Dago
Series	Model No.	Yes	No	Input Range	Single Dual	Yes No	Yes No	Sense	EIII.	(Lx Wx H)	Yes	No	(yrs)	Page
	UHP-200A	•		90~264VAC	•	•	•		88.5%	167X55X26mm		_	4	
UHP	UHP-200	•			•	•	•		94%	194x55x26mm		semi-	3	6
OTT	UHP-350	•		90~264VAC	•	•	•		95%	220x62x31mm	1	potted	,	O
	UHP-500	•			•	•	•		95%	233x81x31mm	+			
	HSP-150	•		00.254/45	•	•	•	•	90%	220x62x32mm	•			
HSP	HSP-200	•		90~264VAC -	•	•	•		88%	210x62x31mm	•		3	7
	HSP-300	•		180~264VAC or 90~135VAC	•	•	•		87%	210x81x31mm	•			
	RSP-150	•			•	•	•	1	87%	199x99x30mm				
	RSP-200	•			•	•	.1	80	85.5%	215x115x30mm 230x127x40.5mm		-		
RSP	RSP-320	•		90~264VAC - -	•	•	1586	37	83%			— option —	3	8
	RSP-500	•			•	¿ AD	4		84%					
	LRS-150		•	115VAC/230VAC (selected by switch)	• 00	510	•		90%					
	LRS-150F		•	85~264VAC	143.	•	•		90%	159x97x30mm		option	3	
	LRS-200		•	115VAC/230VAC	5/2	•	•		87%					-
LRS	LRS-350		•	(selected by switch)	•	•	•		83.5%			option	3	9
	LRS-200E		•	180~264VAC	•	•	•			- 215x115x30mm				-
	LRS-300E		(1)		•	•	•		80%		—— option	1		
LHP	LHP-200	~	40	90~264VAC	•	•	•		90%	220x50x26mm		•	3	10
	HDP-190	0			•	•	•		86%		•			
HDP	HDP-240	•		90~264VAC	•	•	•		84%	215x115x36mm	•		3	10
	HSN-200		•	180~264VAC or	•	•	•		88%	210x62x31mm	•			
HSN	HSN-300		•	90~135VAC	•	•	•		86%	210x81x31mm	•		2	11
NEL	NEL-400		•	180~264VAC	•	•	•		84%	215x115x30mm	•		2	11
ERP	ERP-350		•	180~264VAC	•	•	•		90%	220.4x130x48mm	•		3	12
ERPF	ERPF-400	•		90~264VAC	•	•	•		91%	220.4x130x48mm	•		3	12

UHP Series

200~500W Single Output

Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds (90~264VAC)
- Low profile(26~31mm)
- Built-in active PFC function; PF≥0.95
- 150% peak load capability(100ms)
- Fanless design, cooling by free air convection
- Working temperature (please refer to derating curve): -30~70°C

- Protections : Short circuit / Overload /
 Over voltage / Over temperature
- Operating altitude up to 5000 meter
- LED indicator for power on
- Multiple models for choice
 Blank-Type: Enclosed upper case

R-Type: Built-in DC OK signal and redundant function

• 3 years warranty



▲ UHP-200A L167x W55x H26mm



▲ UHP-200 □ L194x W55x H26mm



▲ UHP-350 ☐ L220x W62x H31mm



◀ UHP-500 ☐ L233x W81x H31mm

■ UHP-200A	Series RoHS	® c % us		CBC
Model No.	Output	Vo Adj.	R & N	Effi.
UHP-200A-4.2	4.2V, 0~40A	4.0~4.4V	200mV	88%
UHP-200A-4.5	4.5V, 0~40A	4.3~4.7V	200mV	88%
UHP-200A-5	5V, 0~40A	4.7~5.3V	200mV	88.5%

■ UHP-200 Series ROMS (P) : ALUS (ALE) (CBCE							
Model No.	Output	Vo Adj.	R & N	Effi.			
UHP-200□-3.3	3.3V, 0~40A	3.2~3.5V	150mV	89%			
UHP-200□-4.2	4.2V, 0~40A	3.6~4.4V	150mV	90%			
UHP-200□-5	5V, 0~40A	4.5~5.5V	200mV	91%			

UHP-200□-4.2	4.2V, U~4UA	3.0~4.40	TOUTIV	90%
UHP-200□-5	5V, 0∼40A	4.5~5.5V	200mV	91%
UHP-200□-12	12V, 0~16.7A	11.4~12.6V	240mV	93%
UHP-200□-15	15V, 0∼13.4A	14.3~15.8V	240mV	94%
UHP-200□-24	24V, 0~8.4A	22.8~25.2V	240mV	94%
UHP-200□-36	36V, 0∼5.6A	34.2~37.8V	240mV	94%
UHP-200□-48	48V, 0~4.2A	45.6~50.4V	300mV	94%

 \square = Blank-Type or R-Type

■ UHP-350 Series	
------------------	--

Model No.	Output	Vo Adj.	R & N	Effi.
UHP-350□-3.3	3.3V, 0~60A	$3.2 \sim 3.5 V$	150mV	88.5%
UHP-350□-4.2	4.2V, 0~60A	3.6~4.4V	150mV	89%
UHP-350□-5	5V, 0∼60A	$4.5 \sim 5.5 V$	200mV	90%
UHP-350□-12	12V, 0~29.2A	11.4~12.6V	200mV	91%
UHP-350□-15	15V, 0~23.4A	14.3~15.8V	200mV	92%
UHP-350□-24	24V, 0~14.6A	22.8~25.2V	240mV	94%
UHP-350□-36	36V, 0∼9.75A	34.2~37.8V	240mV	94%
UHP-350□-48	48V, 0∼7.3A	45.6~50.4V	240mV	94%

 \square = Blank-Type or R-Type

UHP-500 Series	RoHS (R	c AU us 📤	((((set) (**))	CB (E
----------------	---------	------------------	----------------	--------------

Model No.	Output	Vo Adj.	R & N	Effi.
UHP-500□-4.2	4.2V, 0~90A	$3.6 \sim 4.4 V$	100mV	89%
UHP-500□-5	5V, 0~90A	4.5~5.5V	100mV	90%
UHP-500□-12	12V, 0~41.7A	11.4~12.6V	120mV	92%
UHP-500□-15	15V, 0~33.4A	14.3~15.8V	150mV	92%
UHP-500□-24	24V, 0~20.9A	22.8~25.2V	150mV	94%
UHP-500□-36	36V, 0∼13.9A	34.2~37.8V	240mV	94%
UHP-500□-48	48V, 0~10.45A	45.6~50.4V	240mV	95%

HSP Series

150~300W Single Output

Features

- Universal AC input / Full range (HSP-300: 180~264VAC or 90~135VAC)
- Withstand 300VAC surge input for 5 seconds (HSP-150/200/300)
- Slim design, low profile
- Built-in active PFC function; PF≥0.95
- Conformal coated (Semi-potted for HSP-300E)
- Protections: Short circuit / Overload /
 Over voltage / Over temperature
- Fanless, cooling by free air convection(HSP-150/200/300)
- Working temperature
 (please refer to derating curve): -30~+70°C

- LED indicator for power on
- ZVS technology to reduce power dissipation(HSP-150)
- High efficiency / Slim design / Low voltage output
- HSP-150:
 Cooling by free air convection(150W);
 With fan and heat sink, 40A output(200W)
- Low leakage current : <0.4mA/240VAC(HSP-150); <1mA/240VAC(HSP-200/300)
- Multiple models for choice (HSP-300 Series):
 Blank-Type: No conformal coated
 E-Type: Optional, semi-potted
- 3 years warranty



■ HSP-150	Series	ROHS P	71 us 📤 🖹 (CB(€
Model No.	Output	Vo Adj.	R & N	Effi.
HSP-150-2.5	2.5V, 0~30A / 40A	2.35~2.75V	80mV	86%
HSP-150-3.8	3.8V, 0~30A / 40A	3.4~4.2V	100mV	88%
HSP-150-5	5V, 0~30A / 40A	4.5~5.5V	100mV	90%

■ HSP-200	Series Ro	HS (R) (N)	US A COSE	CB(€
Model No.	Output	Vo Adj.	R & N	Effi.
HSP-200-4.2	4.2V, 0~40A	3.6~4.4V	150mV	88%
HSP-200-5	5V, 0~40A	4.5~5.5V	150mV	88.5%

■ HSP-300	Series (RoHS (R) (N	US A COM	CBC€
Model No.	Output	Vo Adj.	R & N	Effi.
HSP-300□-2.8	2.8V, 0~60A	2.5~3.0V	110mV	80%
HSP-300 <u></u> -4.2	4.2V, 0~60A	3.6~4.4V	150mV	85%
HSP-300□-5	5V, 0∼60A	4.5~5.5V	150mV	87%

⁼Blank-Type or R-Type

RSP Series

150~500W Single Output

Features

- Universal AC input / Full range
- 1U low profile
- High efficiency
- Built-in active PFC function; PF>0.95
- Protections : Short circuit / Overload /
 Over voltage / Over temperature
- Working temperature
 (please refer to derating curve): -30~+70°C

- Fanless design, cooling by free air convection (RSP-150/200)
- Forced air cooling by built-in DC Fan (RSP-320/500)
- Optional conformal coated
- LED indicator for power on
- 3 years warranty







▲ RSP-200 L215x W115x H30mm



▲ RSP-320 L215x W115x H30mm



▲ RSP-500 L230x W127x H40.5mm

■ RSP-150	Series	RoHS (P)	Us 🖺 🐠	CBCE
Model No.	Output	Vo Adj.	R & N	Effi.
RSP-150-3.3	3.3V, 0~30A	3.14~3.63V	100mV	81.5%
RSP-150-5	5V, 0~30A	4.75~5.5V	100mV	87.0%

RSP-320 Series		ROHS P	N us 🚇 🥨	CB (€
Model No.	Output	Vo Adj.	R & N	Effi.
RSP-320-2.5	2.5V, 0~60A	2.35~2.85V	100mV	75.5%
RSP-320-3.3	3.3V, 0~60A	2.97~3.8V	100mV	79.5%
RSP-320-4	4V, 0~60A	3.7~4.3V	100mV	81.0%
RSP-320-5	5V, 0~60A	4.5~5.5V	150mV	83.0%

RSP-200 Series		ROHS P .		CBCE
Model No.	Output	Vo Adj.	R & N	Effi.
RSP-200-2.5	2.5V, 0~40A	2.35~2.85V	100mV	79.5%
RSP-200-3.3	3.3V, 0~40A	2.97~3.8V	100mV	81.5%
RSP-200-4	4V, 0~40A	3.7~4.3V	100mV	84.0%
RSP-200-5	5V, 0~40A	4.5~5.5V	150mV	85.5%

RSP-500 Series		ROHS (F	91 us 🕰	CBCE
Model No.	Output	Vo Adj.	R & N	Effi.
RSP-500-3.3	3.3V, 0~90A	2.8~3.6V	120mV	81.0%
RSP-500-4	4V, 0~90A	3.6~4.3V	120mV	83.0%
RSP-500-5	5V, 0~90A	4.5~5.5V	150mV	84.0%

LRS Series

150~350W Single Output

Features

- AC input range:
- 115/230VAC selected by switch (LRS-150/200/350); 85~264VAC input (LRS-150F)

180~264VAC input (LRS-200E/300E)

- Withstand 300VAC surge inout for 5 seconds
- Cooling by free air convection (LRS-200/LRS-200E)
- 1U low profile : 30mm

- Withstand 5G vibration test
- No load power consumption < 0.75W
- Working temperature (please refer to derating curve) : -25~+70°C
- LED indicator for power on
- 3 years warranty



▲ LRS-150 L159x W97x H30mm



LRS-150F L215x W115x H30mm

SI A CBCE

SU CB



15x W115x H30mm



▲ LRS-350 L215x W115x H30mm

■ LBS-150 Series

LIIO-100 OCITES			100 TOOL 100	
1odel No.	Output	Vo Adj.	R & N	Effi.
RS-150-12	12V, 0~12.5A	10.2~13.8V	150mV	87.5%
RS-150-15	15V, 0~10A	13.5~18V	150mV	88.5%

	,		() <i>i</i>	•
LRS-150-15	15V, 0~10A	13.5~18V	150mV	88.5%
LRS-150-24	24V, 0~6.5A	21.6~28.8V	200mV	89.0%
LRS-150-36	36V, 0~4.3A	32.4~39.6V	200mV	89.0%
LRS-150-48	48V 0~3 3A	43 2~52 8V	200mV	90.0%

■ LRS-150F Series ⊘		c 9 0		CRCE
Model No.	Output	Vo Adj.	R & N	Effi.
LRS-150F-5	5V, 0∼22A	4.5~5.5V	100mV	85.0%
LRS-150F-12	12V, 0~12.5A	10.2~13.8V	150mV	87.5%
LRS-150F-15	15V, 0~10A	13.5~18V	150mV	89.0%
LRS-150F-24	24V, 0~6.5A	21.6~28.8V	200mV	89.0%
LRS-150F-36	36V, 0~4.3A	32.4~39.6V	200mV	89.0%
LRS-150F-48	48V, 0∼3.3A	43.2~52.8V	200mV	90.0%
LRS-150F-24 LRS-150F-36	24V, 0~6.5A 36V, 0~4.3A	21.6~28.8V 32.4~39.6V	200mV 200mV	89.0% 89.0%

LRS-200 Series

- LIIO-200 OCITICS			U .	
Model No.	Output	Vo Adj.	R & N	Effi.
LRS-200-3.3	3.3V, 0~40A	2.97~3.6V	150mV	83%
LRS-200-4.2	4.2V, 0~40A	3.6~4.4V	150mV	86%
LRS-200-5	5V, 0~40A	4.5~5.5V	150mV	87%

■ LRS-200E Series

Model No.	Output	Vo Adj.	R & N	Effi.
LRS-200E-4.2	4.2V, 0~32A	3.6~4.4V	150mV	80%
LRS-200E-5	5V, 0~32A	4.5~5.5V	150mV	80%

■ LRS-350 Series			c 7	V7 CB
Model No.	Output	Vo Adj.	R & N	Effi.
LRS-350-3.3	3.3V, 0~60A	2.97~3.6V	150mV	79.5%
LRS-350-4.2	4.2V, 0~60A	3.6~4.4V	150mV	81.5%
LRS-350-5	5V, 0~60A	4.5~5.5V	150mV	83.5%

■ LRS-300E Series

Model No.	Output	Vo Adj.	R & N	Effi.
LRS-300E-4.2	4.2V, 0~60A	3.6~4.4V	150mV	78%
LRS-300E-5	5V, 0~60A	4.5~5.5V	150mV	80%

LHP Series

200W Single Output

Features

- Universal AC input / Full range: 90~264VAC
- Current Sharing Function
- Built-in parallel "PG" signal
- Low profile (26mm)
- Working temperature

(please refer to derating curve) : -40~+80°C

- Built-in active PFC function, PF≥0.95
- Fanless design, cooling by free air convection
- Low leakage current<1mA
- LED indicator for power on
- High efficiency / Slim design / Low voltage output
- Protections: Short circuit / Overload / Over voltage / Over temperature

• 3 years warranty



■ LHP-200 Series

Model No.	Output	Vo Adj.	R & N	Effi.
LHP-200-4.2	4.2V, 0~40A	3.8~4.2V	200mV	90%
LHP-200-4.6	4.6V, 0~40A	4.2~4.6V	200mV	91%
LHP-200-5	5V, 0~40A	4.5~5V	200mV	91%

HDP Series 190W/240W P

Features

- Universal AC input / Full range
- Slim design, low profile
- Built-in active PFC function, PF≥0.94
- Conformal coated
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Working temperature (please refer to derating curve): -30~+70°C
- LED indicator for power on
- High efficiency up to 86%(HDP-190); up to 84%(HDP-240)
- Fanless design(HDP-190); Built-in DC fan(HDP-240)
- 3 years warranty

■ HDP-190 Series

Model No.	Output	Vo Adj.	R & N	Effi.
HDP-190	3.8V, 0~40A	3.6~4V	100mV	- 86%
	2.8V, 0~22A	2.5~3V	100mV	00%



■ HDP-240 Series

Model No.	Output	Vo Adj.	R & N	Effi.
HDP-240 -	3.8V, 0~50A	$3.6 \sim 4V$	100mV	84%
	2.8V, 0~27.5A	2.5~3V	100mV	04 /0

HSN Series

200W/300W Single Output

Features

- Universal AC input / Full range: 90~132VAC or 180~264VAC
- Low profile
- · Conformal coated
- Low leakage current : <1mA/240VAC
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Working temperature (please refer to derating curve) :
 -25~+70°C(HSN-200), -20~+70°C(HSN-300)
- Fanless design, cooling by free air convection
- LED indicator for power on
- 2 years warranty

■ HSN-200 Series

Model No.	Output	Vo Adj.	R & N	Effi.
HSN-200-4.2	4.2V, 0~40A	3.6~4.4V	150mV	86.5%
HSN-200-5 □	5V, 0~40A	4.5~5.5V	150mV	86.5%

= A or B-Type; A-Type: 90~132VAC, 30A output; B-Type: 180~264VAC, 40A output



■ HSN-300 Series

Model No.	Output	Vo Adj.	R & N	Effi.
HSN-300-4.2□	4.2V, 0~60A	$3.6 \sim 4.4 V$	150mV	85%
HSN-300-5 □	5V, 0~60A	4.5~5.5V	150mV	86%

 \square = A or B-Type; A-Type: 90~132VAC, 50A output; B-Type: 180~264VAC, 60A output

NEL Series

400W Single Output

Features

- AC input range: 180~264VAC
- Withstand 300VAC surge input for 5 seconds
- Low profile/Slim design & Low cost/Conformal coated
- Protections: Short circuit / Overload /
 Over voltage/ Over temperature
- Working temperature (please refer to overload derating curve) : $-20 \sim +60 ^{\circ}\text{C}$
- Forced air cooling by built-in DC fan
- LED indicator for power on
- 2 years warranty



■ NEL-400 Series

Model No.	Output	Vo Adj.	R & N	Effi.
NEL-400-2.8	2.8V, 0~80A	2.5~3.0V	150mV	79%
NEL-400-4.2	4.2V, 0~80A	3.6~4.4V	150mV	83%
NEL-400-5	5V, 0~80A	4.5~5.5V	150mV	84%

ERP Series

350W Single Output

Features

- AC input range: 180~264VAC
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload /

Over voltage/ Over temperature

• Cooling by free air convection



- LED indicator for power on
- · Low cost, high reliability
- 100% full load burn-in test
- 3 years warranty

■ ERP-300 Series

•									
,	Low cost,	high reliabili	ty	For					
,	 100% full load burn-in test 3 years warranty ERP-300 Series 								
,	3 years wa	rranty	10						
			11						
			- NSK						
١	■ ERP-300	Series	Ull.						
	Model No.	Output	Vo Adj.	R & N	Effi.				
	ERP-350-12	12V, 0~26.7A	10.8~13.2V	150mV	87%				
	ERP-350-24	24V, 0~14.6A	21.6~26.4V	150mV	89%				
	ERP-350-36	36V, 0~9.7A	32.4~39.6V	240mV	90%				
(ERP-350-48	48V, 0~7.3A	43.2~52.8V	240mV	90%				

ERPF Series

Features

- Universal AC input / Full range (Withstand 300VAC surge input for 5 seconds)
- Built-in active PFC function, PF≥0.95
- High efficiency up to 91%
- Design against rain splash
- Cooling by free air convection



- Protections: Short circuit / Overload / Over voltage/ Over temperature
- LED indicator for power on
- Low cost, high reliability
- 100% full load burn-in test
- 3 years warranty

■ ERPF-400 Series

Model No.	Output	Vo Adj.	R & N	Effi.
ERPF-400-12	12V, 0~30A	10.8~13.2V	150mV	89%
ERPF-400-24	24V, 0~16.7A	21.6~26.4V	150mV	90%
ERPF-400-48	48V, 0~8.3A	43.2~52.8V	240mV	91%

HBG Series 60~240WCircular shape LED driver for High-Bay Lights

HBG series are high performance and single output LED power supplies specially designed for the high/low bay lighting and spot lighting applications. Featuring with circular shape, these new series are easy to be assembled and perfectly fit in with the mechanical structure of high/low bay lighting fixtures. Fully potted by thermally conductive epoxy resin, HBG series aluminum enclosure can be tightly assembled to the heat sink of lighting fixtures and provide excellent heat dissipation ability (PCB type available for HBG series), which solve the mechanism limits of old style bay lighting systems using slim shape LED power supplies. As long as the temperature on the top of the enclosure can be controlled under 70°C, the power supply service life could be guaranteed up to 50,000 hours. For more details, please visit MEAN WELL's www.meanwell.com

HBG-60 Series



- 90~295VAC input
- PCB type, plastic case
- Constant current mode

HBG-100 Series



- 90~305VAC input
- PCB type, metal case
- Constant current mode

HBG-160 Series



- •90~305VAC input
- PCB type, metal case
- C.C. + C.V. mode

HBG-240 Series



- •90~305VAC input
- PCB type, metal case
- •C.C. + C.V. mode

40~600W LED Drivers for Street Lamps

Equipped with high PF value and high IP protection level, MEAN WELL street lamps LED driver provides outstanding surge withstand ability, various dimming options, and 5 to 7 years of warranty. Full range of products comply with international safety regulations, very suitable for indoor/ outdoor harsh environment and LED street lighting applications. In addition to AC/DC power supplies, MEAN WELL also provides constant current DC/DC converters, including step-up, step-down and buck-boost types, which enables the LED fixtures with multiple parallel channels design to have ideally stable constant current state.

AC/DC Switching Power Supply

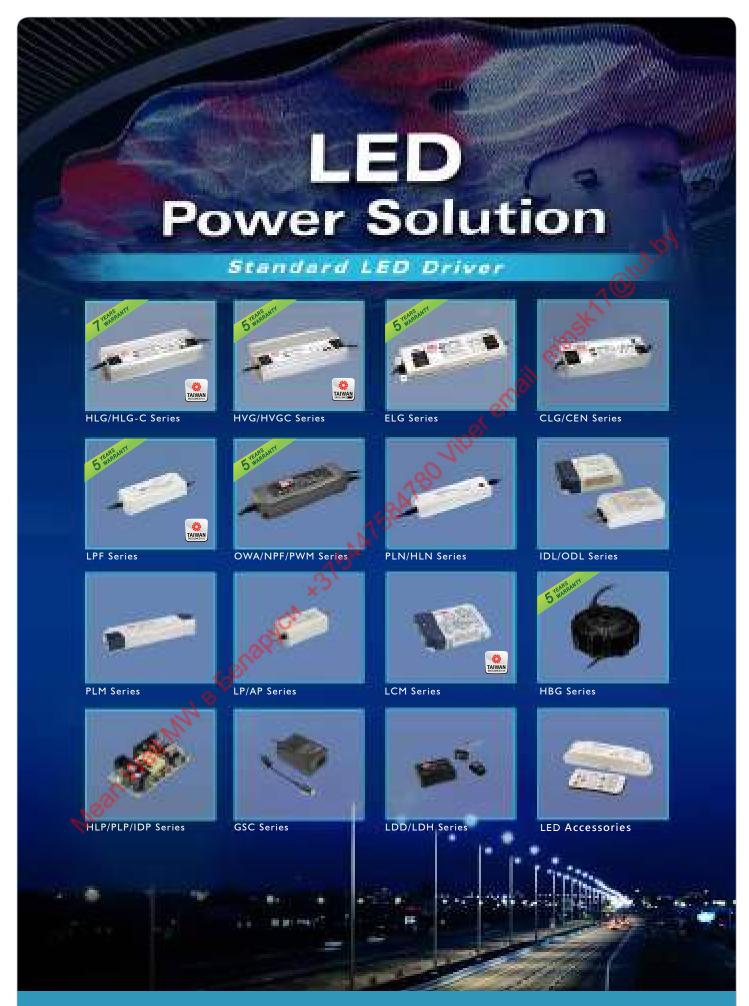


- Type HL LED Driver for use in Class I, Division 2 harzardous location luminaires
- Multiple models for choice:
 Built-in 3 in 1 dimming function (0~10VDC/PWM signal/ or resistance) / Output constant current level can be adjusted / DALI control technology / Smart timer dimming function

DC/DC LED Driver



- Constant current step-up modes (LDH/LDD-H series);
 Constant current step-down mode (LDD-L series);
 Constant current buck-boost mode (LDB-L series)
- Comply with EN55015 / FCC part 15 without additional input filter and capacitors
- Wide input and output voltage range



www.meanwell.com

Taiwan (Headquarters)

MEAN WELL ENTERPRISES CO., LTD.

No. 28, Wuquan 3rd Road, Wugu District,

New Taipei City, Taiwan, 24891

Tel +886-2-2299-6100(rep.)

Fax +886-2-2299-6200(rep.) +886-2-2298-0818(sales)

e-mail info@meanwell.com Web www.meanwell.com

U.S.A.

MEAN WELL USA, INC.

44030 Fremont Blvd., Fremont, CA 94538, U.S.A.

Tel +1-510-683-8886 Fax +1-510-683-8899 e-mail info@meanwellusa.com Web www.meanwellusa.com

Europe

MEAN WELL EUROPE B.V.

Langs de Werf 8, 1185XT Amstelveen, the Netherlands Tel +31-20-758-6000 Fax +31-20-758-6001 e-mail info@meanwell.eu Web www.meanwell.eu

info@meanwell.com www.meanwell.com





China

MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD. MEAN WELL GUANGZHOU INDUSTRIAL PARK

No.11, Jingu South Road, Huadong Town, Huadu Distric, Guangzhou, Guangdong, China

Tel +86-20-3773-7100 / 400-800-3608(sales)

+86-10-5200-1817 (Beijing Office)

+86-755-2359-1630(Shengzhen Office)

2F, A Building, Yuean Industry Park, Huangcun, Dongpu Town, Tianhe District, Guangzhou, China

Post Code: 510660

Tel +86-20-2887-1200(rep.) Fax +86-20-8201-0507 e-mail info@meanwell.com.cn Web www.meanwell.com.cn

SUZHOU MEAN WELL TECHNOLOGY CO., LTD.

No.77, Jian-Ming Rd. Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang-Cheng District, Suzhou, Jiang-Su, China

Tel +86-512-6508-8600 Fax +86-512-6508-8700 e-mail info@meanwell.cc Web www.meanwell.cc





Your Reliable Power Partner



High Performance & Compact Design

Configurable Power Supply

450W~1200W Modular Series



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.

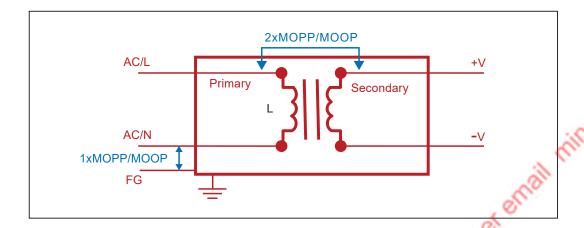
With more than 30 years of experience in R&D and production of standard power supplies, MEAN WELL has ten product categories covering 9,500 models, to provide "One Stop Shopping" power solutions. Every product in MEAN WELL is the result of rigid procedures governing design, design verification test (DVT), 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, MEAN WELL, a total solution provider which can satisfy your various demands, is definitely your first choice!



2xMOPP Introduction

MOPP stands for Mean of Patient Protection. It is the lastest requirement as per 60601-1 3rd edition. 2xMOPP means PSU with double insulation (DI) between Primary and Secondary sides and 1xMOPP between Primary to protective earth (FG) at normal condition. Shown as figure below. PSU with 2xMOPP can be implemented on almost **ALL** medical devices!



BF rated devices

Type BF (body floating) is generally used for applied parts that have conductive contact with the patient, or have medium or long term contact with the patient. Examples of this type of equipment are ultrasound scanner, blood pressure monitors, incubators and etc...



NMP Series

Medical Applications

• 60601-1 Ed. 3 certified

• Touch current<100µA/264Vac











650W/1200W Intelligent Medical Modular Power Supply

Configurable

- Cover 3 to 55Vdc output range
- Modules can be in Parallel or Serial connection



Intelligent Control

- Global & Local remote ON/OFF control
- DC OK signal
- T-Alarm (OT Waring signal for OTP)

Output Programmable

- PV range 50-100%
- PC range 40-100%

Series Connectio



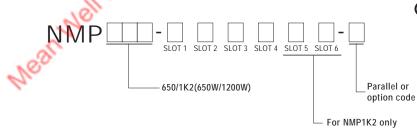




Others

- 90~264VAC
- Working temp.: -30~70°C
- Built-in DC fan
- 5 years warranty

Output Configuration Guide







■ MS-240 : 1-SLOT isolated single output (240W max.)

Picture	Item Code	Output	Vdc adj.	Tol.	R&N.	Max.
	С	5V, 0~36A	3~6V	±2%	100mV	180W
	Е	12V, 0~20A	6~15V	±1%	150mV	240W
	Н	24V, 0~10A	15~30V	±1%	150mV	240W
	K	48V, 0~5A	30~55V	±1%	250mV	240W



NMP Series Accessory

■ Parallel Connection Accessory

FAP-009 FAP-010 (for NMS-240, 2 units)

NMS-240-P2/P3/P4/P5/P6 (to parallel NMS-240 in 2/3/4/5/6 modules)

SATO

■ Series Connection Accessory

(for 1-slot modules: NMS-240)

■ Blank Plate Accessory

BLANK-NMS240



MP Series









450W/650W/1000W Modular Power



IEC/EN/UL 60950 certified

Output Adjustable

PV range ±5%

Remote Control

Remote ON/OFF control on single power module

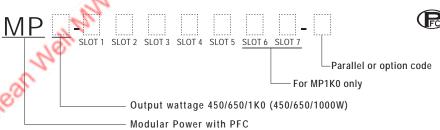
Configurable

- Cover 1.6 to 53Vdc output range with total 57 output modules
- · Modules can be in Parallel or Serial connection

Others

- 85~264VAC
- Protection: SCP, OLP, and fan fail alarm
- Cooling by build-in DC fan
- 3 years warranty

Output Configuration Guide



CBCE ULGOSO-1 ENGOSO-1







MP Series Accessory ■ Parallel Connection Accessory

FAP-001	FAP-002	FAP-003	FAP-004
B B	Para Si	0000	
FAP-005	FAP-006	FAP-007	FAP-008
		6	

■ Series Connection Accessory

FAS-001	FAS-002	FAS-003	FAS-004
2		EBB	





Item Code	L	М	N	0	JUS, b	Q
Output	3.3V, 0~15A	5V, 0~15A	12V, 0~6.3A	15V, 0~5.0A	24V, 0~3.2A	48V, 0~1.6A
Vdc adj.	2.6~4.0V	4.0~6.0V	9.0~13.2V	13.2~16.8V	20.0~26.4V	40.0~53.0V

■ MS-150 : 1-SLOT single output (150W max.)



Item Code	Α	В	С	D	E	1	G	Н	1	J	K
Output	2V, 0~25A	3.3V, 0~25A	5V, 0~25A	7.5V, 0~18A	12V, 0~13A	15V, 0~10A	18V, 0~8.5A	24V, 0~6.5A	27V, 0~5.8A	33V, 0~4.7A	48V, 0~3.2A
Vdc adj.	1.6~2.6V	2.6~4.0V	4.0~6.0V	6.0~9.0V	9.0~13.2V	13.2~16.8V	16.8~20.0V	20.0~26.4V	25.0~31.0V	30.0~40.0V	40.0~53.0V

■ MS-210 : 1-SLOT parallelable single output (210W max.)

※Parallel function up to 5 units



Item Code	1A	1B	1C_2	1D	1E	1F	1G	1H	11	1)	1K
Output	2V, 0~35A	3.3V, 0~35A	5V, 0~35A	7.5V, 0~28A	12V, 0~17.5A	15V, 0~14A	18V, 0~11.6A	24V,0~8.75A	27V, 0~7.8A	33V, 0~6.4A	48V, 0~4.4A
Vdc adj.	1.6~2.6V	2.6~4.0V	4.0~6.0V	6.0~9.0V	9.0~13.2V	13.2~16.8V	16.8~20.0V	20.0~26.4V	25.0~31.0V	30.0~40.0V	40.0~53.0V

■ MS-300 : 2-SLOT parallelable single output (300W max.)

※Parallel function up to 3 units



Item Code	2A	2B	2C	2D	2E	2F	2G	2H	21	2J	2K
Output	2V, 0~50A	3.3V, 0~50A	5V, 0~50A	7.5V, 0~40A	12V, 0~25A	15V, 0~20A	18V, 0~16.7A	24V,0~12.5A	27V, 0~11.2A	33V, 0~9.1A	48V, 0~6.3A
Vdc adj.	1.6~2.6V	2.6~4.0V	4.0~6.0V	6.0~9.0V	9.0~13.2V	13.2~16.8V	16.8~20.0V	20.0~26.4V	25.0~31.0V	30.0~40.0V	40.0~53.0V

■ MS-360 : 2-SLOT parallelable single output (360W max.)

※Parallel function up to 3 units



Item Code	3A	3B	3C	3D	3E	3F	3G	3H	31	3J	3K
Output	2V, 0~60A	3.3V, 0~60A	5V, 0~60A	7.5V, 0~48A	12V, 0~30A	15V, 0~24A	18V, 0~20A	24V, 0~15A	27V,0~13.4A	33V, 0~11A	48V, 0~7.5A
Vdc adj.	1.6~2.6V	2.6~4.0V	4.0~6.0V	6.0~9.0V	9.0~13.2V	13.2~16.8V	16.8~20.0V	20.0~26.4V	25.0~31.0V	30.0~40.0V	40.0~53.0V

■ MD-100 : 1-SLOT isolated dual output (100W max.)



Item Code	R	S	Т	U	V	W	X
Output	5V, 2.0~10A 5V, 0.0~8.0A	5V, 2.0~10A 12V, 0.0~5.8A	5V, 2.0~10A 15V, 0.0~4.7A	24V, 0.5~3.0A 5V, 0.0~10A	24V, 0.6~3.0A 12V, 0.0~4.7A	· ·	· ·
Vdc adj.	4.75~5.5V 4.75~5.5V	4.75~5.5V 11.4~13.2V	4.75~5.5V 14.2~16.5V	22.8~26.4V 4.75~5.5V	22.8~26.4V 11.4~13.2V	11.4~13.2V 11.4~13.2V	14.2~16.5V 14.2~16.5V

Common Features for MP&NMP

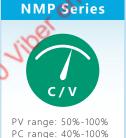
Modular Power Design

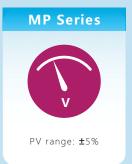
Easy configurable design, offer the most flexible power solutions.



Programmable Output Function

Output voltage is adjustable. By using external DC signal, output voltage can be tuned up or down according to end user's need.





Multiple Application

MP and NMP series cover wide output voltage range. MP series covers 1.6~53 Vdc, and NMP series covers 3~55 Vdc. Furthermore, with parallel and series connection function, both series can easily meet various power requirements.



Compact Dimension

NMP Series

Dimensions(LxWxH):

• NMP650: 250x 89x 41mm

• NMP1K2: 250x 127x 41mm





MP Series

Dimensions(LxWxH):

• MP450: 254x 127x 63.5mm

• MP650: 278x 127x 63.5mm

• MP1K0: 278x 177.8x 63.5mm

New for NMP Series

Intelligent Control

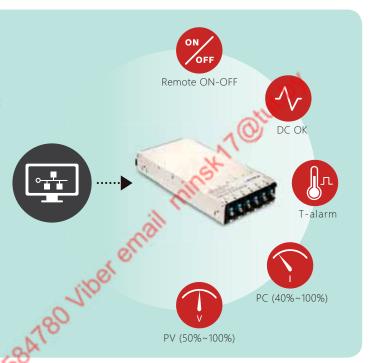
NMP Series features remote ON/OFF, DC OK signal output, T-alarm signal output, and PC & PV output programmable functions to enable system with smart monitoring and handy control over power supply.

Remote ON/OFF

With Global and Local ON/OFF control, it allows user to turn on all modules at once or turn on specific module.

T-alarm

By adopting this new feature, PSU can send out overtemperature alert thru TTL signal to system warning possible over-heating event.



Easy Inventory Management

NMP Series has a lean product line-up with merely 2 front-ends and 4 power modules in total. Inventory management is no longer a difficult job for distributors!

MS-75/150/ 210/300/ 360 MD-100

1U Low Profile

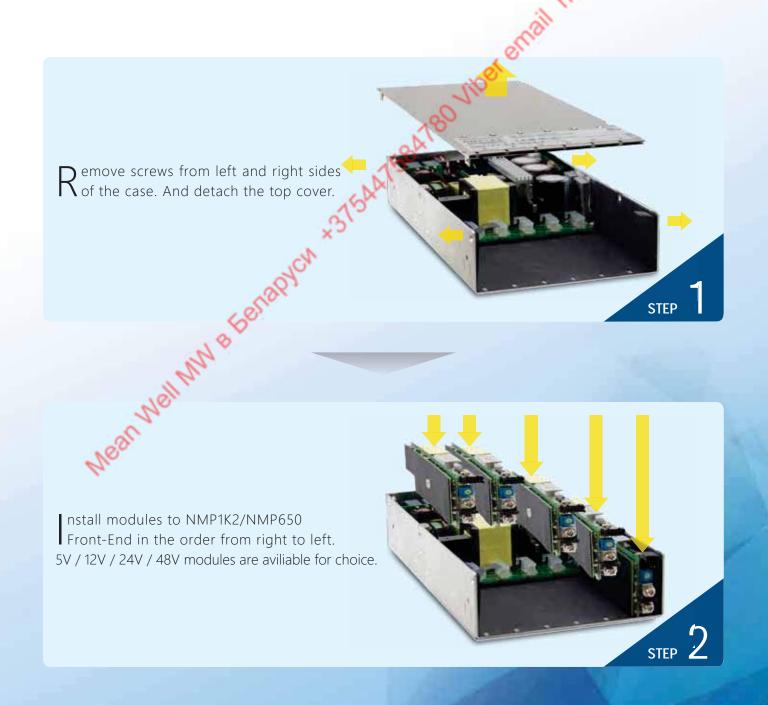
MEAN WELL design engineers implement the latest technology to make possible NMP Series in a slim size. NMP Series successfully reduces nearly 60% in size compared with its predecessor MP Series. Thanks to its smaller size, NMP Series can be used on applications that space constraint is a critical concern to system design.



Assembly Illustration for NMP Series

Product Description

Configurable type power supply, NMP family, is a 1U low profile modular power. This family comprises two models, NMP650 (650W) and NMP1K2 (1200W). To offer wide application aspects, NMP family complies with medical standards safety approval and its design refers to ITE standards. Furthermore, by applying safety approvals on Front-End (NMP650 & NMP1K2) and power modules (NMS-240) respectively, distributors whose technical and service capability being qualified by MEAN WELL might be officially authorized to assemble NMP power systems according to end customers' requirements.



D ut back the top cover and fasten screws to positions as illustration.



STEP 3

 $S^{\rm tick\ corresponding\ product\ model}_{\rm label\ onto\ top\ cover\ of\ Front-End.}$



STEP

pply AC power to NMP1K2 / NMP650 and measure output voltage to ensure each module functions properly. Use two 2-unit parallel cooper plates, FAP-009, to connect +V and -V terminals of slot 1 and slot 2, and use accessory cable to parallel GND pins and signals when modules in parallel.



Welcome to scan QR codes for more product information.





Taiwan (Headquarters)

MEAN WELL ENTERPRISES CO., LTD.

No. 28, Wuquan 3rd Road, Wugu District,

New Taipei City, Taiwan, 24891

Tel +886-2-2299-6100(rep.)

Fax +886-2-2299-6200(rep.) +886-2-2298-0818(sales)

e-mail info@meanwell.com
Web www.meanwell.com

U.S.A.

MEAN WELL USA, INC.

44030 Fremont Blvd., Fremont, CA 94538, U.S.A.

Tel +1-510-683-8886 Fax +1-510-683-8899 e-mail info@meanwellusa.com Web www.meanwellusa.com

Europe

MEAN WELL EUROPE B.V.

Langs de Werf 8, 1185XT Amstelveen, the Netherlands

Tel +31-20-758-6000

e-mail info@meanwell.eu

Web www.meanwell.eu



info@meanwell.com www.meanwell.com



China

MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD.

No.11, Jingu South Road, Huadong Town, Huadu Distric, Guangzhou, Guangdong, China

Tel +86-20-3773-7100 / 400-800-3608(sales)

+86-10-5200-1817(Beijing Office)

+86-755-2359-1630(Shengzhen Office)

R&D Center

2F, A Building, Yuean Industry Park, Huangcun, Dongpu Town, Tianhe District, Guangzhou, China

Post Code: 510660

SUZHOU MEAN WELL TECHNOLOGY CO., LTD.

No.77, Jian-Ming Rd. Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang-Cheng District, Suzhou, Jiang-Su, China

Tel +86-512-6508-8600 **e-mail** info@meanwell.cc

Fax +86-512-6508-8700 Web www.meanwell.cc





Your Reliable Power Pariner





Building Automation Solutions

Product Range Overview









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 10,000 standard models widely used in medical, automation, communication, LED lighting, moving sign, and office automation applications.

With more than 30 years of experience in R&D and production of standard power supplies, MEAN WELL has ten product categories covering 10,000 models, to provide "One Stop Shopping" power solutions. Every product in MEAN WELL 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, MEAN WELL, a total solution provider which can satisfy your various demands, is definitely your first choice!



KNX Introduction

What is KNX?

KNX is the only home and building control standard running global certification schemes.



The idea behind KNX is as simple as it is ingenious. KNX combines all main building functions like lighting, shutter control to heating, ventilation, security, energy management and more into one intelligent system. In this system, all devices communicate with one another via a single bus cable which is installed alongside the normal power lines. This means that all electrical functions are connected with one another via the bus system, which helps to lower operational costs resulting in considerable energy savings, to save installation time as well as to increase flexibility and adaptability to future developments.

Source: www.knx.org

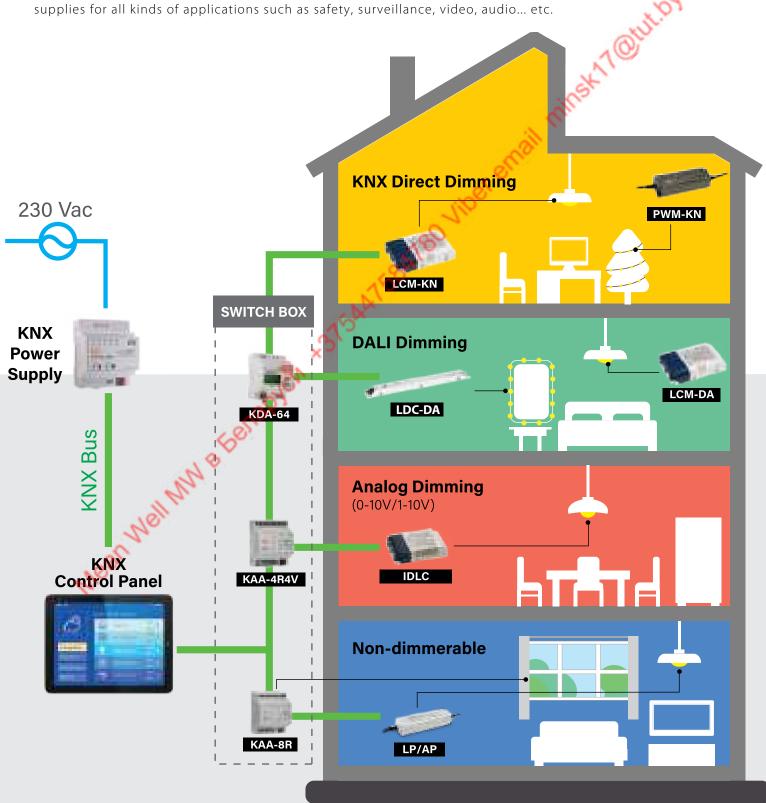
Benefits

The MEAN WELL KNX system product is an intelligent solution for networking and controlling building technology. Since the targeted connections of devices and functions comply with the KNX standard, both living and working are not only become more convenient and secure, but also more energy-efficient and economical.



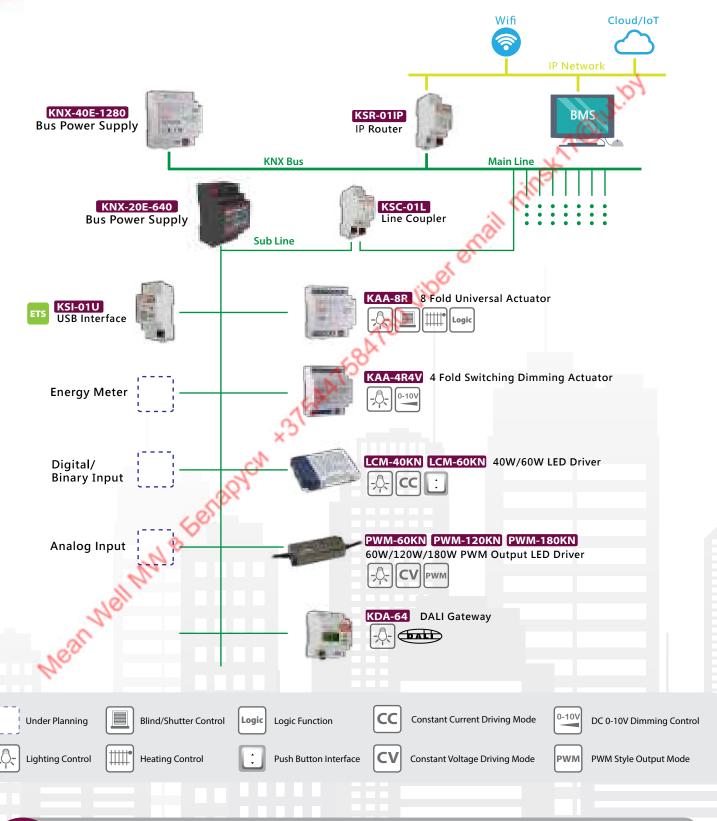
Indoor Lighting Control & Total Power Solution

The MEAN WELL KNX product range includes components covering the complete applications found in modern buildings, ranging from lighting and shutter control to heating, ventilation and many more. Furthermore, with over 35 years experience of the industrial power supply, MEAN WELL provides a variety of standard power supplies for all kinds of applications such as safety, surveillance, video, audio... etc.



Product Tree







Fast and Multi Language Support for any question of KNX product within 24 hr. For the details please check the last page.















LCM Series









25~60W KNX Constant Current LED Driver

LCM-KN series is a AC/DC constant current mode output LED driver series featuring the multiple levels selectable by dip switch and the KNX interface to avoid using the complicated KNX-DALI gateway. LCM-KN operates from 180~295VAC and offers different current levels ranging between 350mA and 1400mA.

Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for -30°C~+90°C case temperature under free air convection. In addition, LCM-KN series is equipped with push dimming and synchronization so as to provide the optimal design flexibility for LED lighting system.



Features

- KNX protocol
- Constant current mode output with multiple levels selectable by dip switch
- Support emergency lighting(EL)
- Constant lumen output
- Intergrated KNX push button interface
- Synchronization up to 10 units
- Functions: manual dim, operation hours, log/linear curve selection
- 3 years warranty



■ LCM-25/40/60KN

Model No.	Output	Io Tol.	Io Ripple	Effi.
LCM-25KN	350mA~1050mA, 6~54V	±5%	5%(max)	86%
LCM-40KN	350mA~1050mA, 2~100V	±5%	5%(max)	90%
LCM-60KN	500mA~1400mA, 2~90V	±5%	5%(max)	91%

PWM Series









60~180W KNX Constant Voltage LED Driver

PWM-KN series is an AC/DC LED driver featuring the constant voltage mode with PWM style 12V & 24V output controlled directly via KNX. The entire series is able to operate for -40°C~90 °C case temperature with its minimal dimming level low to 0.5% and user changeable output frequency up to 4KHz to complaint IEEE 1789-2015 flickering requirement.



Features

- KNX protocol
- · Constant Voltage PWM style output with user changeable frequency up to 4KHz
- Plastic housing with class II design
- Built-in active PFC function
- Standby power consumption < 0.5W
- Typical lifetime >50000hours
- 5 years warranty



■ PWM-60/120KN

Model No.	Output	Tol.	Effi.
PWM-60-12□	12V, 0~5A	±4%	86%
PWM-60-24□	24V, 0~2.5A	±3%	89%
PWM-120-12□	12V, 0~10A	±4%	88%
PWM-120-24□	24V, 0~5A	±4%	90%

□=KNX/KNBST KN: KNX control technology; KNBST: KNX control technology with BST14 connector

PWW-180KN Series 180W PWM Output KNX LED Driver

- Constant voltage PWM style output with user KNX data secure version changeable frequency
- Plastic housing with class **II** design
- Built-in active PFC function
- No load power consumption <0.5W / standby power consumption < 0.5W
- Typical lifetime >50000 hours
- 5 years warranty



Under

KAA Series KNX Actuator

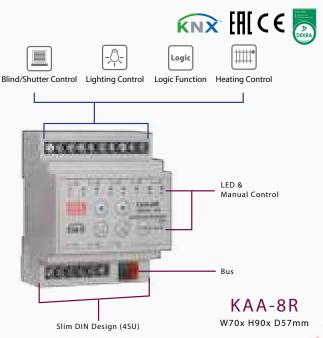








KNX Universal Actuator



Features

- 8 channel actuator in a compact size
- Suitable for various and mixed applications
- For AX, C-load, capacitive & inductive of loads
- Capacitive load 220µF
- · Manual control via panel Push button
- 3 years warranty

Model No.	Channel	Rating current/channel
KAA-8R	8-Fold	16A
KAA-8R-10	8-Fold	10A

KNX Dimming Actuator

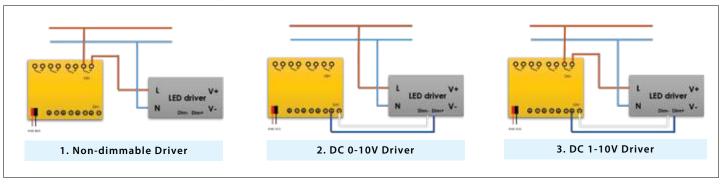


Features

- Dimming and switching LED driver and conventional electronic ballast
- Capacitive load 220µF
- Linear or logarithmic dimming curve programable via ETS software
- Programmable various time and scene function
- 3 years warranty

Model No.	Channel	Rating current/channel
KAA-4R4V	4-Fold	16A
KAA-4R4V-10	4-Fold	10A

KAA-4R4V Wiring Examples



KNX Series









640mA & 1280mA Bus Power Supply

640mA Bus Power Supply

KNX-20E-640 is a 640mA power supply with high efficiency and a small footprint of only 3SU (52.5 mm). The device has a KNX bus choke output and an additional output for ancillary power. LED indicators are used in normal operation, overload conditions and RESET operation. It is perfectly suitable to power up any products labeled with the KNX trademark. KNX-20E-640 is engineered to be a reliable and safe solution for KNX bus environment.



1280mA Bus Power Supply

KNX-40E-1280 is a 1280mA power supply with high efficiency and a small footprint of only 4SU(72mm). The device has a KNX bus choke output and an additional output for ancillary power. LED indicators are used in normal operation, overload conditions and RESET operation. It is perfectly suitable to power up any products labeled with the KNX trademark. KNX-40E-1280 is engineered to be a reliable and safe solutionfor KNX bus environment.



Features

- EIB / KNX power supply with Integrated choke
- Compact size with 3SU/4SU width
- Safety extra low voltage(SELV)
- 180~264VAC input
- No load power consumption < 0.5W
- Protections:

Short circuit / Overload(short-circuit-proof) / Over voltage

Model No.	V out1 (with choke)	V out2 (without choke)	${ m I}_{ m Out}$ (${ m I}_{ m 1+I}$ 2)
KNX-20E-640	Bus, 30VDC	30VDC	640mA

- Cooling by free air convection
- Isolation class I
- LED indicator for normal operation, bus reset and bus overload
- Installed on DIN rail TS-35/7.5 or 15
- Over voltage category III
- Wide operating temperature: -30~+70°C
- 3 years warranty

Model No.	V out1	V out2	${f I}$ out
	(with choke)	(without choke)	(${f I}$ 1+ ${f I}$ 2)
KNX-40E-1280D	Bus, 30VDC	30VDC	1280mA

: Blank, D; Blank= Basic function, D=Diagnostic function

System Component / Inrush Current Limiter











DALI Gateway



KDA-64 W86x H72x D55mm

Features

- Connect up to 64 DALI ECGs/Drivers
- Built-in DALI power supply
- Lighting control via the integrated web server
- 3 years warranty

USB Interface



KSI-01U W36x H90x D71mm

Features

- · No additional power supply required
- KNX commissioning addressing and parameters settings
- · Long messages support up to 220 byte APDU
- 3 years warranty

IP Router



KNX (E

KSR-01IP

W36x H90x D71mm

Features

- KNX IP/TP routing
- Built-in web server
- KNX IP secure (optional)
- 3 years warranty

Line Coupler





KSC-01L

W36x H90x D71mm

Features

- KNX TP Line coupler/Repeater
- Telegram filtering function
- Long messages support up to 240 byte APDU
- 3 years warranty

Inrush Current Limiter



ERIC€

ICL-16R W35x H94x D54.5mm

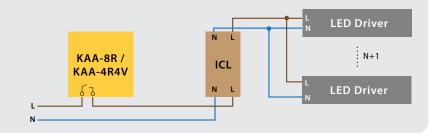


ERIC€

ICL-16L W175x H42x D24mm

Features

- Increase the capacitive load to 2500µF max.
- · 23A inrush current limiting, 16A continuous
- Integrated by pass relay, no simple NTC
- R:DIN Rail type ; L: Terminal block type



HDR Series















15~150W Ultra Slim Step Shape Power Supply

Features

- Ultra slim design with 1SU~6SU width
- Universal input 85~264VAC(277VAC operational)
- No load power consumption < 0.3 W
- Isolation class II
- Pass LPS (Limited power source)
- DC output voltage adjustable
- Protections : Short circuit / Overload / Over voltage
- Cooling by free air convection (working temperature:-30~+70°C)
- DIN rail TS-35/7.5 or 15 mountable
- Over voltage category **III**
- LED indicator for power on
- 3 years warranty



■ HDR-15

Model No.	Output	Tol.	R&N	Effi.
HDR-15-5	5V, 0~2.40A	±2%	80mV	80%
HDR-15-12	12V, 0~1.25A	±1%	120mV	85%
HDR-15-15	15V, 0~1.00A	±1%	120mV	85.5%
HDR-15-24	24V, 0~0.63A	◆±1%	150mV	86%
HDR-15-48	48V, 0~0.32A	±1%	240mV	87%

■ HDR-30

Model No.	Output	Tol.	R&N	Effi.
HDR-30-5	5V, 0~3.0A	±2%	80mV	82%
HDR-30-12	12V, 0~2.0A	±1%	120mV	88%
HDR-30-15	15V, 0~2.0A	±1%	120mV	89%
HDR-30-24	24V, 0~1.5A	±1%	150mV	89%
HDR-30-48	48V, 0~0.75A	±1%	240mV	90%

■ HDR-60

Model No.	Output	Tol.	R&N	Effi.
HDR-60-5	5V, 0~6.5A	±2%	80mV	85%
HDR-60-12	12V, 0~4.5A	±1%	120mV	88%
HDR-60-15	15V, 0~2.0A	±1%	120mV	89%
HDR-60-24	24V, 0~1.5A	±1%	150mV	90%
HDR-60-48	48V, 0~0.75A	±1%	240mV	91%

■ HDR-100

Model No.	Output	Tol.	R&N	Effi.
HDR-100-12	12V, 0~7.1A	±2%	120mV	88%
HDR-100-12N	12V, 0~7.5A	±2%	120mV	88%
HDR-100-15	15V, 0~6.13A	±1%	120mV	89%
HDR-100-15N	15V, 0~6.5A	±1%	120mV	89%
HDR-100-24	24V, 0~3.83A	±1%	150mV	90%
HDR-100-24N	24V, 0~4.2A	±1%	150mV	90%
HDR-100-48	48V, 0~1.92A	±1%	240mV	90%
HDR-100-48N	48V, 0~2.1A	±1%	240mV	90%
LIDD 100 03W	1.00			

HDR-100: 92W max., pass LPS

HDR-100-xxN: 100W max., non-LPS with a wide output adjustable range

■ HDR-150

- HDK-130				
Model No.	Output	Tol.	R&N	Effi.
HDR-150-12	12V, 0~11.3A	±2%	100mV	89%
HDR-150-15	15V, 0~9.5A	±1%	120mV	89.5%
HDR-150-24	24V, 0~6.25A	±1%	150mV	90.5%
HDR-150-48	48V, 0~3.2A	±1%	200mV	90.5%

Taiwan (Headquarters)

MEAN WELL ENTERPRISES CO., LTD.

No. 28, Wuquan 3rd Road, Wugu District,

New Taipei City, Taiwan, 24891 **Tel** +886-2-2299-6100(rep.)

Fax +886-2-2299-6200(rep.) +886-2-2298-0818(sales)

e-mail info@meanwell.com
Web www.meanwell.com

U.S.A.

MEAN WELL USA, INC.

44030 Fremont Blvd., Fremont, CA 94538, U.S.A.

Europe

MEAN WELL EUROPE B.V.

Langs de Werf 8, 1185XT Amstelveen, the Netherlands Tel +31-20-758-6000 Fax +31-20-758-6001 e-mail info@meanwell.eu Web www.meanwell.eu

China

MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD.

No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, Guangdong, China

Tel +86-20-3773-7100 / 400-800-3608(sales)

+86-10-5200-1817 (Beijing Office)

+86-755-2359-1630(Shengzhen Office)

R&D Center

2F, A Building, Yuean Industry Park, Huangcun, Dongpu Town, Tianhe District, Guangzhou, China

Post Code: 510660

Tel +86-20-2887-1200(rep.) Fax +86-20-8201-0507 e-mail info@meanwell.com.cn Web www.meanwell.com.cn

SUZHOU MEAN WELL TECHNOLOGY CO., LTD.

No.77, Jian-Min Rd. Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang-Cheng District, Suzhou, Jiang-Su, China

Tel +86-512-6508-8600 Fax +86-512-6508-8700

e-mail info@meanwell.cc Web www.meanwell.cc

info@meanwell.com www.meanwell.com building.meanwell.com







For service, repairs and telephone support, you can talk to one of our in-house employees. This ensures that you receive specialist advice. You won't simply end up in a call center!

中 文 任何KNX 產品疑問24小時內快速回覆

簡體中文 任何KNX 产品疑问24小时内快速回覆

GERMAN Schneller Support für jegliche KNX-Produkt Fragen innerhalb von 24 Stunden.

ENGLISH Fast support for any question of KNX Product within 24h.

FRENCH Assistance rapide pour toute question relative aux produits KNX en 24 heures maximum.

SPANISH Soporte rápido para cualquier pregunta de los productos KNX en 24 horas.

DUTCH Wij bieden snelle ondersteuning voor al uw KNX-productvragen binnen 24 uur.

ITALIAN Supporto rapido per qualsiasi richiesta sui nostri prodotti KNX entro 24 ore.

POLISH Szybkie wsparcie dla dowolnego pytania dotyczącego produktu KNX w ciągu 24 godzin.







Your Reliable Power Partner



Green Adaptor

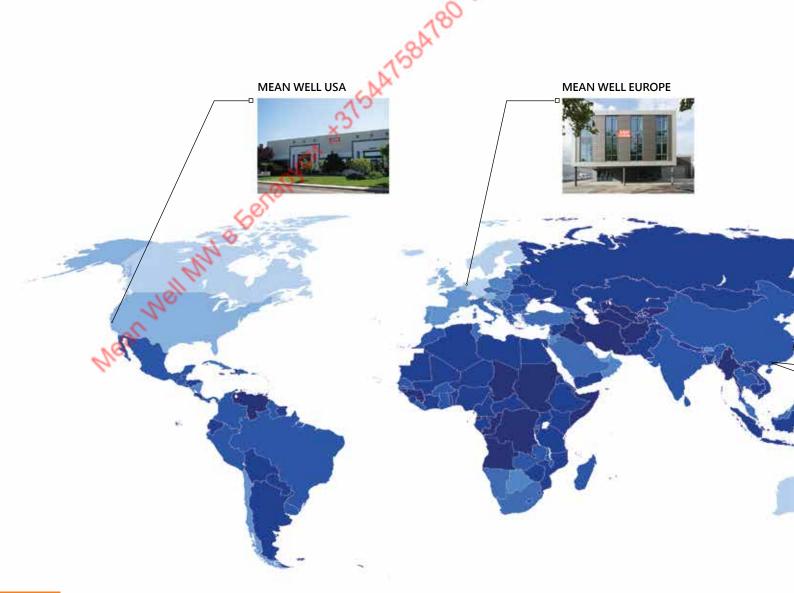
5W~280W AC/DC External Power Supplies



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 10,000 standard models widely used in medical, automation, communication, LED lighting, display, and office automation fields.

MEAN WELL has invested in the developments of AC/DC external adaptor product lines since 2008, striving for the upgrade of product technology, and the introduction of new regulations. MEAN WELL has already taken the lead in unveiling the green adaptors which comply with the up-to-date energy efficiency regulations (DoE Level VI and CoC version 5) with the ultra low no load power consumption (less than 0.075W to 0.5W) and the highest working efficiency up to 94.5%.



MEAN WELL has already constructed the complete product line from 5W to 280W which includes desktop type, wall-mounted type, Class I and Class II type. The whole product line has over 40 series, more than 600 models in total with the output voltages from 5V~48VDC for every kind of the electronic devices. The adaptors of MEAN WELL are highly reliable, they can be operated under -40~+70°C for continuous 24 hours, with 2 to 5 years warranty and comply with the complete international safeties. They can cover the industrial, medical, LED lighting and harsh environment applications and the holistic green adaptor solutions can offer the one stop shopping requirements of customers that MEAN WELL is your best power partner.

With more than 30 years of experience in R&D and production of standard power supplies, MEAN WELL has ten product category covering 10,000 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 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



AC Inlet List

	A IEC320-C14 (Class I)	B IEC320-C8 (Class II)	U 2 Pole USA plug (Class II)	E 2 Pole EURO Plug (Class II)	I Interchangeable (Class II)
Туре				lacktriangle	
IT	GST, GS, GP series	GST, GS, GP series	GST, GS, SGA series	GST, GS, SGA series	GE series
Medical	GSM series	GSM series	GSM series	GSM series	GEM series
Specific	NA	GSC series	OWA series	OWA, GSC series	NA

Optional DC Plug List

Tu	ıning F	ork St	yle		Barre	Style		Lock Style			DIN 5 Pin				DIN 4 Pin with lock											
			<mark>⊅</mark> ∔в				<mark>∮</mark> В	Locking C A D B			□ (05 ² 40)			□ (5 2 40 03 10 0				2 3								
Type	Α	В	С	Туре	Α	В	С	Туре	Α	В	С	Type	P	in Assig	nment	Type	Pin Assi	gnment								
туре	OD	ID	L	Type	OD	ID	L	туре	A	АВ	C	С Турс	Single Trip		Triple	турс	PIN No.	Output								
P1I	5.5	2.1	9.5	P2I	5.5	2.1	9.5						1	COM	СОМ		1	+Vout								
P1J	5.5	2.1	11.0	P2J	5.5	2.1	11.0		500	500	D 26					2	СОМ	СОМ		2	GND					
P1L	5.5	2.5	9.5	P2L	5.5	2.5	9.5	P2S (S761K)	5.53	2.03	12.06	R1B	3	Vout	+5V	R7B	3	GND								
P1 M	5.5	2.5	11.0	P2M	5.5	2.5	11.0	(37 0110)													4	СОМ	-Vout		4	+Vout
FIIVI	5.5	2.5	11.0	F∠IVI	5.5	2.5	11.0								5	Vout	+Vout		4	+ vout						

[▶] Minimum order quantity is varied for different models.



GST Series













Features

- Global certificates
- Universal input 90~264VAC
- Built-in active PFC function (90~280W)
- No load power consumption <0.075W~0.5W
- Energy efficiency Level VI
- Comply with EISA 2007 / DoE, NRCan,
 AU/NZ MEPS, Korea K-MEPS, EU ErP and CoC Version 5
- Class II power (without earth pin) for B/U/E-Type
 Class I power (with earth pin) for A-Type
- Protections:
 Short circuit / Overload / Over voltage /
 Over temperature (60~280W)
- Fanless design, wide working temperature: -30~+70°C

- Fully enclosed plastic case
- LED indicator for power on
- Pass LPS
- 3 years warranty







▲GST18/25/36E 79x 54x 33mm

18~36W Wall-mounted Type

■ U/E Type		c (VL) us 🚔			(()		(optio		@(E@	W	Energy Verified Rendement Énergétique Vérifié
Order No.	W		5V	7.5V	9V	12V	15V	18V	24V	28V	48V
GST18U□-P1J	18	Io(A)	3	2	2	1.5	1.2	1	0.75	0.64	0.375
GST18E□-P1J	Nel 181	Eff.(%)	81	85	85	86	87	88	88	88.5	89
GST25U□-P1J	25	Io(A)	4	2.93	2.55	2.08	1.66	1.38	1.04	0.89	0.52
GST25E□-P1J	23	Eff.(%)	81.5	84.5	85	86.5	87	87	88	88	89
GST36U□-P1J	36	Io(A)	4.3		3.11	3			1.5		0.75
GST36E□-P1J	50	Eff.(%)	82		86	87.5			88.5		90

[▶] For more details about global certifications please refer to page 24.



▲GST18/25/36B 79x 54x 33mm



▲ GST18/25A 93x 54x 36mm



▲ GST40/60A 125x 50x 31.5mm



▲ GST90A 145x 60x 32mm



▲GST120A 167x 67x 35mm



▲GST160A 175x 72x 35mm



▲GST220A 210x 85x 46mm



▲ GST280A 220x 95x 46mm

18~280W Desktop Type

■ A/B Type	(9	₽ 0~280W)	Dus 🖺			△ � (((84)		EH (opti	s CE	3F©C	ۯ(VI PRE ÉN	ergy Verified endement ergétique Vérifié
Order No.	W	□=	5V	7.5V	9V	12V	15V	18V	19V	20V	24V	28V	36V	48V
GST18A□-P1J	18	Io(A)	3	2	2	1.5	1.2	1			0.75	0.64		0.375
GST18B□-P1J	10	Eff.(%)	81	85	85	86	87	88			88	88.5		89
GST25A□-P1J	25	Io(A)	4	2.93	2.55	2.08	1.66	1.38			1.04	0.89		0.52
GST25B□-P1J	23	Eff.(%)	81.5	84.5	85	86.5	87	87			88	88		89
	36	Io(A)	4.3	TCN	3.11	3					1.5			0.75
GST36B□-P1J	30	Eff.(%)	82	263	86	87.5					88.5			90
	40	Io(A)	250	5.34	4.45	3.34	2.67	2.22			1.67			0.84
GST40A□-P1J	40	Eff.(%)	84.5	87.5	88.5	89.5	90	90			91			92
	60	Io(A)	6	6	6	5	4	3.33			2.5			1.25
GST60A□-P1J	60	Eff.(%)	85.5	88.5	89	89.5	89.5	89.5			90.5			92
4)	1/16	Io(A)				6.67	6		4.74		3.75			1.87
GST90A□-P1M	90	Eff.(%)				89	89.5		90		90			91
Nec	120	Io(A)				8.5	7			6	5			2.5
GST120A□-○	120	Eff.(%)				88.5	89			90	90.5			91
	1.00	Io(A)				11.5	9.6			8	6.67		4.44	3.34
GST160A□-R7B	160	Eff.(%)				90	91			93	93		92	94
	220	Io(A)				15	13.4			11	9.2		6.1	4.6
GST220A□-R7B	220	Eff.(%)				90	90			92	93.5		93	94.5
	200	Io(A)				21	17			13	11.67			5.84
GST280A□-C6P	280	Eff.(%)				90	90			92	93			94

[►] O = R7B for 12V, 15V models; =P1M or R7B for 20V, 24V, 48V models

[►] For more details about global certifications please refer to page 24.

GS Series











ECO

Features

- Universal input 90~264VAC
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Comply with EISA 2007/DoE and EU ErP
- Class II power (without earth pin) for B/U/E-Type Class I power (with earth pin) for A-Type
- Protections: Short circuit / Over voltage / Overload
- Highest operating temperature up to +70°C
- Fully enclosed plastic case

- Pass LPS
- Certificates:

A-Type: UL / CUL / TUV / EAC / FCC / CE

B-Type: UL / CUL / TUV / EAC / FCC / CE

U-Type: UL / CUL / EAC / FCC

E-Type: TUV / EAC / CE

• 2 years warranty



▲GS05U-USB 41.86x 32.76x 23.8mm



▲ GS06U 66x 32x 42.5mm



▲ GS15U 71x 34x 50mm



▲ GS15A 100x 58.5x 32.8mm



▲GS05E-USB 41.54x 30.5x 20mm



▲ GS06E 66x 32x 42.5mm



▲ GS15E 71x 34x 50mm



▲ GS15B 100x 58.5x 32.8mm

5~15W Wall-mounted and DesktopType



	10	*								
Order No.	W	□=	5 V	7.5V	9V	12V	15V	18V	24V	48V
GS05U-USB	5	lo(A)	1							
GS05E-USB	5	Eff.(%)	74.5							
GS06U-□P1J	6 -	lo(A)	1	0.8	0.66	0.5	0.4	0.33	0.25	0.125
GS06E-□P1J	0	Eff.(%)	75	80.5	79.5	79.5	80.5	81.5	82	85
GS15U-□P1J	1.5	lo(A)	2.4	1.6	1.66	1.25	1	0.83	0.625	0.31
GS15E-□P1J	15	Eff.(%)	80	82.5	85	85	85	85	85.5	87
GS15A□-P1J	15 -	lo(A)	2.4	1.6	1.66	1.25	1	0.83	0.625	0.31
GS15B□-P1J	13	Eff.(%)	80	82.5	85	85	85	85	85.5	87

SGA Series











Features

- Slim size
- Universal input 90~264VAC
- No load power consumption < 0.075W (<0.15W for SGA60 9~48V)
- Energy efficiency Level VI
- Comply with EISA 2007/DoE, EU ErP
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Working temperature: -20~+60°C by models

- Pass LPS
- Fully enclosed plastic case
- LED indicator for power on (SGA60 only)
- Certificates:

U-Type: UL / CUL / EAC / CB / FCC

E-Type: TUV / EAC / CB / CE

CH-Type: CCC 🦿 3 year warranty









▲SGA12U-USB ▲ SGA12U

62.2x 27.4x 39.7mm

▲SGA18/25/40U 75.5x 32x 47.5mm

▲SGA60U 93.5x 35x 51.5mm





▲ SGA12E-USB

62.2x 27.4x 39.7mm



▲ SGA18/25/40E 75.5x 32x 47.5mm



▲SGA60E 93.5x 35x 51.5mm

12~60W Slim Wall-mounted Type

U/E Type

SGA60U□-P1J

SGA60E□-P1J

c⊕us **≜€** CS FECE € W $\square =$ Order No. W 5 V 7.5V 9 V 12V 15V 18V 24V 48V SGA12U□-P1J* 0.666 0.25 lo (A) 2.4 1.6 1.33 1 0.8 0.5 12 SGA12E□-P1J* 84.5 Eff. (%) 80 83 83 83 86 88 SGA18U□-P1J lo (A) 3 ---2 1.5 1.2 1 0.75 0.375 18 SGA18E□-P1J Eff. (%) 80.5 84.5 84 84 84.5 85 86 ---SGA25U□-P1J Io (A) 4 2.93 2.77 2.08 1.66 1.38 1.04 0.52 25 SGA25E□-P1J Eff. (%) 86 86 86.5 86.5 87 88.5 82 85.5 SGA40U□-P1J lo (A) 5 4.44 3.33 2.66 2.22 1.67 0.84 ---SGA40E□-P1J 40 86.5 86.5 87 Eff. (%) 84 87 88 89 SGA40CH□-P1J

5.5

87

5

88

4

87

3.33

88

2.5

88

6

84

Io (A)

Eff. (%)

6

86

60

1.25

91

GE Series













Features

- Interchangeable AC plugs (plug kit sold separately)
- Universal input 90~264VAC
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Comply with EISA 2007 and EU ErP
- Class II power (without earth pin)
- Protections: Short circuit / Over voltage / Overload
- Working temperature: -10~+50°C
- Fully enclosed plastic case
- LED indicator for power on
- Pass LPS
- Certificates: UL / CUL / TUV / CCC / RCM / FCC / CE / EAC
- 2 years warranty



▲ G E 1 2 70.7x 40x 38.8mm ▲GE18/24/30 81x 43x 40.5mm

12~40W Interchangeable Wall-mounted Type

■ I Type				Lon		ι(Ų)	US Nothering Control	(Sa : 2)		E
Order No.	W	□=	5 V	7.5V	9V	12V	15V	18V	24V	48V
CELOTE BIL	12	Io (A)	2	1.33	1.33	1	0.8	0.83	0.625	
GE12I□-P1J	12	Eff. (%)	80	82	84	84	85	85	85.5	
CELOTE BIL	18	Io (A)	2.4	1.73	2	1.5	1.2	1	0.75	0.375
GE18I□-P1J	10	Eff. (%)	80.5	82.5	85	86	86.5	87	87	87
CE2.41E P11	24	Io (A)	3	2	2.22	2	1.6	1.33	1	0.5
GE24I□-P1J	Ner	Eff. (%)	81	83	85.5	86	86	87	87.5	89
CESOLEI DIA	30	Io (A)				2.5	2	1.66	1.25	
GE30I□-P1J	30	Eff. (%)				84	86	87	87	

■ Interchangeable AC Plug Specifically for GE12/18/24/30

	AC Plug Type and Order No.												
AC Plug-AU	AC Plug-UK	AC Plug-EU	AC Plug-US	AC Plug-MIX									
		0 0											
Australian Type	U.K. Type	European Type	U.S. Type	Mixed Four Type									

[▶] The main body unit and AC plug should be ordered seperately. The main body needs to be used along with anyone of the AC plug.

GP Series











Features

- Universal input 90~264VAC
- No load power consumption < 0.3W
- Energy efficiency Level VI
- Comply with EISA 2007/DoE, EU ErP
- · Class I power unit (with earth pin) for A type; Class II power unit (without earth pin) for B type
- Protections:

Short circuit / Overload / Over voltage / Over temperature (25W only)

- Working temperature: -20~+70°C
- LED indicator for power on
- Dual output available (optional)
- Certificates: UL / CUL / TUV / CB / FCC / CE / EAC
- 3 years warranty





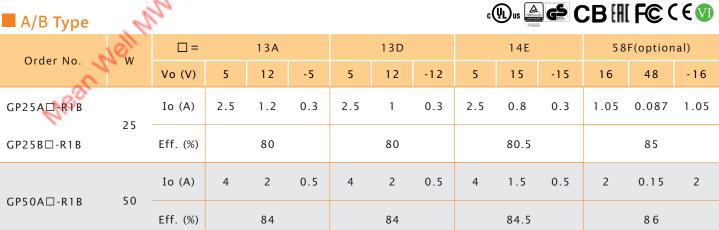


▲GP25A 107.5x 67x 36mm 📡



▲GP50A 146x 75.5x 43mm

25~50W **Triple Output Desktop Type**





GSM Series







Features

- Universal input 80~264VAC
- Built-in active PFC function (90~220W)
- Medical safety approved (2xMOPP) according to AAMI/ANSI ES60601-1 and IEC/EN60601-1 3rd edition
- ANSI/AAMI EN60601-1-11, EN60601-1-11 household medical regulations for Class II unit
- Suitable for BF application with appropriate system consideration (except for 40~220W A-Type)
- Low leakage current <50μA~100μA
- No load power consumption < 0.1W~0.3W
- Energy efficiency Level VI
 (6W and 18~60W 5~9V for Level V)
- Comply with EISA 2007/DoE, NRCan, AU/NZ MEPS, EU ErP and meet CoC Version 5

- Class II power(without earth pin) for B/U/E-Type
 Class I power(with earth pin) for A-Type
- Protections: Short circuit / Overload / Over voltage
- Wide working temperature: -30~+70°C by models
- Fully enclosed plastic case
- LED indicator for power on(except for GSM06/12/60U,E)
- Optional lock type DC plug
- Certificates: A-Type: UL / CUL / TUV / CB / EAC / FCC / CE
 B-Type: UL / CUL / TUV / CB /EAC / FCC / CE
 U-Type: UL / CUL / CB / EAC / FCC
 E-Type: TUV / CB / EAC / CE
- 3 years warranty



▲GSM06U 66x 32x 42.5mm



▲GSM06E 66x 32x 42.5mm



▲GSM12U-USB ▲GSM12U 62.2x 45.5x 27.4mm



▲GSM12E-USB ▲GSM12E 62.2x 45.5x 27.4mm

6~12W Wall-mounted Type

U/E Type



Order No.	W	=	5V	6V	7.5V	9V	12V	15V	18V	24V	48V
GSM06U□-P1J	6	Io(A)	1.2	1	0.8	0.66	0.5	0.4	0.33	0.25	
GSM06E□-P1J	· ·	Eff.(%)	68	74	74	76	77	79	80	82	
GSM12U□-P1J	12	Io(A)	2.4		1.6	1.33	1	0.8	0.66	0.5	0.25
GSM12E□-P1J	12	Eff.(%)	80		82	82	82.5	84	85	85	87

► USB type output for GSM12U / GSM12E 5V model only.

GSM Series









▲ GSM18/25/36U 79x 54x 33mm



▲ GSM60U 75.5x 32x 47.5mm



▲ GSM18/25/36E 79x 54x 33mm



▲ GSM60E 75.5x 32x 47.5mm

18~60W Wall-mounted Type

■ U/E Type				3754		BFrated 2xM0PP	c 91 °us	CB		
Order No.	W	=	5 V	7.5V	9V	12V	15V	18V	24V	48V
GSM18U□-P1J	18	Io(A)	163	2	2	1.5	1.2	1	0.75	0.375
GSM18E□-P1J	10	Eff.(%)	80	83	84	85	85.5	86	87	88
GSM25U□-P1J	25	Io(A)	4	2.93	2.77	2.08	1.66	1.38	1.04	0.52
GSM25E□-P1J	M	Eff.(%)	80	83	84	86	86	86	87	88
GSM36U□-P1J	36	Io(A)	4.5	4.32	4	3	2.4	2	1.5	0.75
GSM36E□-P1J	30	Eff.(%)	80	83	84	86	87	87	87	88
GSM60U□-P1J	60	Io(A)	6	6	5.5	4.5	4	3.33	2.5	1.25
GSM60E□-P1J	00	Eff.(%)	80	85	87	86	88	88	88	90

■ Medical / Hospital Grade AC Power Cord













▲GSM40/60A 125x 50x 31.5mm

▲GSM90A 145x 60x 32mm

▲ GSM120A 167x 67x 35mm

▲GSM160A 175x 72x 35mm

▲GSM220A 210x 85x 46mm













▲ GSM18/25/36B 79x 54x 33mm

▲GSM40/60B 125x 50x 31.5mm

▲GSM90B 145x 60x 32mm

▲ GSM120B 167x 67x 35mm

▲ GSM160B 175x 72x 35mm

▲GSM220B 210x 85x 46mm

18~220W Desktop Type

■ A/B Type					169	∱ BFrated	+ 2xHOPP	c 71 2 us	#1000s14.65 1000s14.65 1000s14.65	BEH	F©C	
Order No.	W	=	5 V	7.5V	9V	12V	15V	18V	19V	20V	24V	48V
CCM10D= D11	18	lo (A)	3	(2)\	2	1.5	1.2	1			0.75	0.375
GSM18B□-P1J	10	Eff. (%)	80	83	84	85	85.5	86			87	88
CCM2ED DIL	25	lo (A)	340	2.93	2.77	2.08	1.66	1.38			1.04	0.52
GSM25B□-P1J	23	Eff. (%)	80	83	84	86	86	86			87	88
66M26D= D11	2.6	lo (A)	4.5	4.32	4	3	2.4	2			1.5	0.75
GSM36B□-P1J	36	Eff. (%)	80	83	84	86	87	87			87	88
GSM40A□-P1J	40	lo (A)	5	5.34	4.45	3.34	2.67	2.22			1.67	0.84
GSM40B□-P1J	101	Eff. (%)	81	85.5	86	88	88.5	89.5			90	91
GSM60A□-P1J	60	lo (A)	6	6	6	5	4	3.33			2.5	1.25
GSM60B□-P1J	00	Eff. (%)	81.5	86	87.5	88	88.5	89			90	91.5
GSM90A□-P1M	90	lo (A)				6.67	6		4.74		3.75	1.87
GSM90B□-P1M	90	Eff. (%)				88	89		89		90	91
GSM120A□-R7B	120	lo (A)				8.5	7			6	5	2.5
GSM120B□-R7B	120	Eff. (%)				88	89			89	90	91.5
GSM160A□-R7B	160	lo (A)				11.5	9.6			8	6.67	3.34
GSM160B□-R7B	100	Eff. (%)				90	91			92.5	93	94
GSM220A□-R7B	220	lo (A)				15	13.4			11	9.2	4.6
GSM220B□-R7B	220	Eff. (%)				90	90			92	93.5	94.5

[►] Energy efficiency Level V for GSM18/25/36/40/60 5~9V models.

GEM Series







Features

- Interchangeable AC plugs (plug kit sold separately)
- Universal input 80~264VAC
- Medical safety approved (2xMOPP) according to AAMI/ANSI ES60601-1 and IEC/EN60601-1 3rd edition
- ANSI/AAMI EN60601-1-11, EN60601-1-11 household medical regulations for Class II unit
- Suitable for BF application with appropriate system consideration
- Low leakage current <100μA
- No load power consumption <0.075W (<0.1W for GEM30I/40I)
- Energy efficiency Level VI (except for GEM40I/60I 5~9V)
- Comply with EISA 2007/DoE and EU ErP
- Protections: Short circuit / Overload / Over voltage
- Working temperature: -25~+70°C by models
- Fully enclosed plastic case
- Optional lock type DC plug
- 3 years warranty



★ ★ S Us **CB M F© C E M V**

▲ GEM12I 73.9x 39x 48.5mm ▲GEM18I/30I/40I/60I 75.5x 39.1x 56.2mm

12~60W Interchangeable Wall-mounted Type

I Type

,							·			
Order No.	W	=	5 V	7.5V	9V	12V	15V	18V	24V	48V
	1.2	Io (A)	2.4	1.6	1.33	1	0.8	0.67	0.5	0.25
GEM12I□-P1J	12	Eff. (%)	8 0	82	82	82.5	8 4	8 5	8 5	8 7
G=141-01 B11	18	Io (A)	3		2	1.5	1.2	1	0.75	0.38
GEM18I□-P1J	10	Eff. (%)	80		84	84	84	84	85	87
G=14207 = B14	20	Io (A)	4	3.33	3.33	2.5	2	1.66	1.25	0.62
GEM30I□-P1J	30	Eff. (%)	82	86	87	87	87	88	88.5	90
G511407 B11	40	Io (A)	5		4	3.33	2.66	2.22	1.67	0.8
GEM40I□-P1J	40	Eff. (%)	84		87	88	88	88	89	90.5
00	60	Io (A)	6	6	5.5	4.5	4	3.33	2.5	1.25
GEM60I□-P1J	00	Eff. (%)	8 0	85	87	88	88	88	88	90

[▶] USB type output for GEM12I 5V model only

■ Interchangeable AC Plug Specifically for GEM12I/18I/30I/40I/60I

		AC Plug T	ype and Order No.	
AC Plug-AU2	AC Plug-UK2	AC Plug-EU2	AC Plug-US2	AC Plug-MIX
	PUSH OF PUSH O	NO DE PUSH PUSH	PUSH	PUSH OF PUSH O
Australian Type	U.K. Type	European Type	U.S. Type	Mixed Four Type

[▶] The main body unit and AC plug should be ordered seperately. The main body needs to be used with any one of the AC plug.



OWA Series











Features

- Moistureproof, IP67 protection level
- Universal input 90~264VAC
- Built-in active PFC function(90~120W)
- Constant voltage + Constant current mode
- No load power consumption < 0.15W
- Energy efficiency Level VI
- E-Type: EU ErP; meet CoC Version 5 (OWA-60E/90E)
- U-Type: EISA 2007/DoE and NRCan
- Class II power (without earth pin)

- Protections: Short circuit / Over current /
 Over voltage / Over temperature
- Fanless design, working temperature:
- $-40 \sim +70$ °C by models
- Fully enclosed plastic case
- Suitable for general electronics applications at highly dusty or damp environment
- 5 years warranty



	U-T	ype	E-	Type
AC Input Plug	1964ch			-
	OWA-60U	OWA-90U/120U	OWA-60E	OWA-90E/120E
DC Output Plug	▽		~·	

60~120W Desktop Type

■ U/E Type



Order No.	W	=	12V	15V	20V	24V	30V	36V	42V	48V	54V
OWA-60U-□	60	Io(A)	5	4	3	2.5	2	1.67	1.5	1.25	1.12
OWA-60E-□	00	Eff.(%)	88	89	89	90	90	90	90	91	91
OWA-90U-□	90	Io(A)	7.5	6	4.5	3.75	3	2.5	2.15	1.88	1.67
OWA-90E-□	90	Eff.(%)	89	90	90	90	90	91	91	91	91
OWA-120U-□	120	Io(A)	9.6/10 (E)/(U)	8	6	5	4	3.4	2.9	2.5	2.3
OWA-120E-□		Eff.(%)	87.5	89	90	90.5	90	90	90.5	90.5	90.5

GSC Series







Features

- LED driver, constant current mode
- Universal input 90~277VAC
- No load power consumption < 0.15W
- Built-in active PFC function
- Isolation class II, no F.G.
- Protection: Short circuit
- Working temperature: -30~+50°C
- Fully isolated plastic case with IP40 level
- IEC320-C8 or 2 pole EURO plug
- Low cost, high reliability
- Suitable for indoor LED lighting applications
- 3 years warranty



▲GSC18/25/40B

▲GSC18/25/40E

REWAR CBCE

79x 54x 33mm

18~40W Desktop Type

■ B/E Type

■ b/L Type	· •					(B-Type)
Order No.	w=	350mA	500mA	700mA	1050mA	1400mA
GSC18B-□	Vo (V)	26~52	18~36	13~26	8~17	6~13
GSC18E-□	Eff. (%)	89	88.5	88.5	87	85.5
GSC25B-□	Vo (V)	36~72	26~52	18~36	12~24	9~18
GSC25E-□	Eff. (%)	89.5	89.5	88.5	87.5	86
GSC40B-□	Vo (V)	50~100	40~80	29~58	19~38	14~28
GSC40E-□	Eff. (%)	89.5	89.5	88.5	87.5	87



Optional Grayish Model

Optional grayish models (PANTONE Cool Gray 2C) are available for GST18/25/36, GSM18/25/36 and GSC18/25/40 series. MOQ is 200pcs per model. Please contact MEAN WELL sales representatives for more details.

Selection Guide

Industrial











	Mode	D	Innut	Outrout	Dimonsis		
Type	Picture	Series name	Power (W)	Input (VAC)	Output (VDC)	Dimension (mm)	Key features
Interchange- able	**************************************	GE12	12		5, 7.5, 9, 12, 15, 18, 24	70.7 x 40 x 38.8	
		GE18	18	90~264	5, 7.5, 9, 12,	-8	Class
		GE24	24		15, 18, 24, 48	81 x 43 x 40.5	VI
		GE30	30		12, 15, 18, 24	MINSK	
	9	SGA12 U/E-USB	12		5	62.2 x 27.4 x 39.7	
Slim		SGA12U/E	12	90~264	5, 7.5, 9, 12, 15, 18, 2 4, 48	V=1= X = X + X + X + X + X + X + X + X + X	
		SGA18U/E	18		5, 9, 12, 15, 18, 24, 48		ClassII
		SGA25U/E	25		5, 7.5, 9, 12, 15, 18, 24, 48	75.5 x 32 x 47.5	VI
		SGA40U/E/ CH	40		5, 9, 12, 15, 18, 24, 48		
		SGA60U/E	60		5, 7.5, 9, 12, 15, 18, 24, 48	93.5 x 35 x 51.5	
	Medino	GS05 U/E-USB	5		5	U: 41.86 x 32.76 x 23.8 E: 41.54 x 30.5 x 20	
		GS06U/E	6	90~264	5, 7.5, 9, 12, 15, 18, 24, 48	66 x 32 x 42.5	ClassII
Wall-mounted		GS15U/E	15		5, 7.5, 9, 12, 15, 18, 24, 48	71 x 34 x 50	VI
		GST18U/E	18		5, 7.5, 9, 12,		
		GST25U/E	25	85~264	15, 18, 24, 28, 48	79 x 54 x 33	ClassII
		GST36U/E	36		5, 9, 12, 24, 48		Global safety certificates

Selection Guide

Industrial Industrial











	Model							
Туре	Picture	Series name	Power (W)	Input (VAC)	Output (VDC)	Dimension (LxWxH) (mm)	Key features	
		GS15A/B	15	90~264	5, 7.5, 9, 12, 15, 18, 24, 48	100 x 58.5 x 32.8	Class I Class II (B-Type)	
		GST18A/B	18		5, 7.5, 9, 12, 15 ,	A Th		
		GST25A/B	25	85~264	18, 24, 28, 48	A: 93 x 54 x 36 B: 79 x 54 x 33	Class I (A-Type) Class II (B-Type)	
		GST36B	36	.19	5, 9, 12, 24, 48			
	Well WAY &	GST40A	40	758A.	5, 7.5, 9, 12, 15,	125 x 50 x 31.5		
		GST60A	60	90~264	18, 24, 48			
Desktop		GST90A 90	90		12, 15, 19, 24, 48	145 x 60 x 32	Global safety certificates	
		GST120A	120	- 85~264		167 x 67 x 35		
		GST160A	160		12, 15, 20, 24, 36, 48 (36V for GST160A only)	175 x 72 x 35		
		GST220A	220	03 201		210 x 85 x 46		
		GST280A	280			220 x 95 x 46		
Wes		GP25A/B	25		5/12/-5, 5/12/-12,	107.5 x 67 x 36	Class I (A-Type)	
		GP50A	50	90~264	5/15/-15, 16/48/-16	146 x 75.5 x 43	Class II (B-Type) VI Triple Output	

Selection Guide

Medical Medical Healthcare





	Model		Power	Input	Output	Dimension		
Type	Picture	Series name	(W)	(VAC)	(VDC)	(LxWxH) (mm)	Key features	
		GEM12I	12		5, 7.5, 9, 12, 15, 18, 24, 48	73.9 x 39 x 48.5		
		GEM18I	18		5, 9, 12, 15, 18, 24, 48		2xMOPP BF rated	
Interchange- able		GEM30I	30	80~264	5, 7.5, 9, 12, 15, 18, 24, 48	75.5 x 39.1 x	Class	
	*	GEM40I	40		5, 9, 12, 15, 18, 24, 48	56.2	Viassii	
		GEM60I	60		5, 7.5, 9, 12, 15, 18, 24, 48	Tills		
Wall-mounted		GSM06U/E	6		5, 6, 7.5, 9, 12, 15, 18, 24	66 x 32 x 42.5	+ 🖈	
		GSM12U/E	12	80~264	્રહો	62.2 x 27.4 x 45.5	2xMOPP BFrated	
		GSM18U/E	18		5, 7 , 5 , 9, 12, 15 , 18, 24, 48		Class II	
		GSM25U/E	25			79 x 54 x 33	VI	
		GSM36U/E	36				(6W and 18~36W	
		GSM60U/E	60			75.5 x 32 x 47.5	5~9V for Level V)	
		GSM18B	18	XA	5, 7.5, 9, 12, 15, 18, 24, 48	79 x 54 x 33	•	
	Well WAS	GSM25B	25				2×MOPP	
		GSM36B	36				BFrated (except for	
		GSM40A/B	40		5, 7.5, 9, 12, 15, 18, 24, 48	125 x 50 x 31.5	40~220W A-Type)	
Desktop		GSM60A/B	60	80~264		123 X 30 X 31.3		
		GSM90A/B	90		12, 15, 19, 24, 48	145 x 60 x 32	Class I Class II (A-Type) (B-Type)	
		GSM120A/B	120			167 x 67 x 35	VI	
		GSM160A/B	160		12, 15, 20, 24, 48	175 x 72 x 35	(18~60W 5~9V	
		GSM220A/B	220			210 x 85 x 46	for Level V)	

Specific Purpose 🔯 🏚 💷 🕸









		ndustrial Outdoor LED Displa	ay Harsh					
Туре	Mode	Power	1	0	Dimension			
	Picture	Series name	(W)	Input (VAC)	Output (VDC)	(LxWxH) (mm)	Key features	
Moisture proof		OWA-60U/E	60	90~264 (180~264 for OWA- 120E)	12, 15, 20, 24, 30, 36, 42, 48, 54	130 x 53 x 35	Class II IP67 for power body	
		OWA-90U/E	90			171 x 63 x 37.5		
		OWA-120U/E	120			191 x 63 x 37.5		
LED Lighting		GSC18B/E	18	90~277	350, 500, 700, 1050, 1400 mA	79 x 54 x 33		
		GSC25B/E	25				Class II Constant current	
		GSC40B/E	40				output mode, IP40 design	

GST Global Certification Chart



Country	Safety	GST18 (A/B/U/E)	GST25 (A/B/U/E)	GST36 (B/U/E)	GST 40A	GST 60A	GST 90A	GST 120A	GST 160A	GST 220A	GST 280A
IEC	CB IEC62368-1	~	~	~	✓	✓	√	✓	~	~	✓
US/Canada	CUL US LISTED UL62368-1	✓ (A/B/U)	✓ (A/B/U)	✓ (B/U)	✓	~	√	*	10	VO.II.	✓
Europe	EG TUV EN62368-1	✓ (A/B/E)	✓ (A/B/E)	✓ (B/E)	4	4		Milits	4	*	*
Taiwan	BSMI CNS14336	√ (A/B/U)	✓ (A/B/U)	✓ (B/U)	*	liper	erne	4	4	*	4
China	CCC GB4943	✓ (A/B)	√ (A/B)	(B)	4780	~	✓	~	~	~	√
Japan	PSE 60950.1	√ (A/B)	√ (A/B)	(B)	✓	✓	~	✓	✓	✓	✓
Australia / New Zealand	AS/NZS 60950.1	(A/B)	√ (A/B)	✓ (B)	✓	✓	~	✓	✓	✓	✓
Korea	KC K60950-1	✓ (A/B)	✓ (A/B)	✓ (B)	✓	✓	~	✓	~	✓	√
Malaysia	SIRIM MS IEC60950-1 (Optional)	√ (A/B/E)	√ (A/B/E)	✓ (B/E)	✓	✓	✓	✓	✓	✓	✓
India	8 BIS IS13252	√ (A/B)	✓ (A/B)	✓ (B)	4	4	✓	4	4	*	4
Russia/ Belarus/ Kazakhstan/ Kyrgyzstan/ Armenia	EAC TP TC004/020	4	4	✓	✓	*	*	*	*	*	*

Solutions

With more than 30 years experience, MEAN WELL, the leading brand of the power supply and LED driver, officially launches five solution websites, including LED lighting, LED display, Medical power, KNX smart building, and System power supply. Through these five websites, we hope to share our years of experience and knowledge of power supplies with you.

In each solution website, a comprehensive content was offered, covering from basic model recommendations to the thorough solutions offer for each application. If you are looking for those five related solutions, come and visit our website for answers! We hope our website can be another helpful resource for your next design.



Choose the right
PSU & LED Drivers
to Create A
Brand New Experience
for Customers



- Outdoor Lighting
- Indoor Lighting
- High Bay Lighting
- Horticulture Lighting
- Specific Lighting





- Indoor Full Color
- Outdoor Full Color
- Fine Pitch
- Rental





- Diagnostic Imaging System
- Analysis and Laboratory
- Home Healthcare
- Rehabilitation and Assistive Device





- Indoor Lighting Control
- Heating System Control
- Blinder System Control
- Total Power Solution





- Industrial Application
- Lighting Application
- Charging Application
- ICT Application



Media Kit





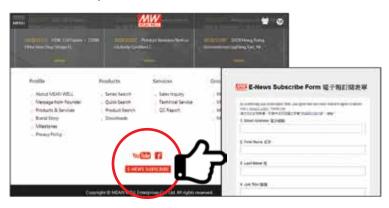






MEAN WELL E-news

Find the "SUBSCRIBE" at the footer of MEAN WELL website. Fill in the E-News Subscribe Form, and last click the "SUBSCRIBE". Then, our confirmation e-mail will be sent to you.



MEAN WELL NEWS APP



Install MEAN WELL NEWS APP, and you won't miss our lastest news.





Social Media











01 YouTube

- Scan the QR code
- Press "SUBSCRIBE" button
- Turn on the bell. So you won't miss any videos.



02 LinkedIn

- Scan the QR code
- Navigate into MEAN WELL page and "Following" us.





MWEU

03 Facebook

- Don't forget to "Like" us.

04 WeChat

- Search official account "MEAN WELL" in WeChat APP
- Click the "FOLLOW" button

05 YouKu

- Scan the QR code
- Press the "SUBSCRIBE" button on the top







Taiwan

MEAN WELL ENTERPRISES CO., LTD. (Headquarters)

No. 28, Wuquan 3rd Road, Wugu District,

New Taipei City, Taiwan, 24891

Tel +886-2-2299-6100(rep.)

Fax +886-2-2299-6200(rep.)

+886-2-2298-0818(sales)

e-mail info@meanwell.com

Web www.meanwell.com

U.S.A.

MEAN WELL USA, INC.

44030 Fremont Blvd., Fremont, CA 94538, U.S.A.

Tel +1-510-683-8886 Fax +1-510-683-8899

 $\textbf{e-mail} \quad \text{info@meanwellusa.com} \qquad \textbf{Web} \ \text{www.meanwellusa.com}$

Europe

MEAN WELL EUROPE B.V.

Langs de Werf 8, 1185XT Amstelveen, the Netherlands **Tel** +31-20-758-6000 Fax +31-20-758-6001 e-mail info@meanwell.eu Web www.meanwell.eu







MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD.

No.11, Jingu South Road, Huadong Town, Huadu District, Guangzhou, Guangdong, China **Tel** +86-20-3773-7100 / 400-800-3608(sales)

+86-10-5200-1817(Beijing Office)

+86-755-2359-1630(Shengzhen Office)

+86-180-0058-4748(Chengdu Office)

R&D Center

2F, A Building, Yuean Industry Park, Huangcun, Dongpu Town, Tianhe District, Guangzhou, China

Fax +86-20-8201-0507 **Tel** +86-20-2887-1200(rep.) e-mail info@meanwell.com.cn Web www.meanwell.com.cn

SUZHOU MEAN WELL TECHNOLOGY CO., LTD.

No.77, Jian-Ming Rd. Dong-Qiao, Pan-Yang Ind. Park, Huang-Dai Town, Xiang-Cheng District,

Suzhou, Jiang-Su, China

Tel +86-512-6508-8600 e-mail info@meanwell.cc

Fax +86-512-6508-8700 Web www.meanwell.cc

