

PCB Type PSU Product Line Introduction

Product Strategy Center info@meanwell.com



Introduction

Product Category and Road Map

Key Features



Applications

Introduction Why choose PCB type power supply?

No Enclosure Cost Save Space **Standard Mounting Direct Soldering** Direct solder on PCB Power supply takes Standardized footprint Mounted inside end and mounting hole (on-board Type), no up less space since system, so no need locations. need for wiring to have enclosure there is no enclosure 5″ x 3″ 4″ x 2″ 3″ x 2″ Camera Battery Charger

Product Category

※ Blue words are under development

***** Please click on series names for related introduction webpages or specifications.

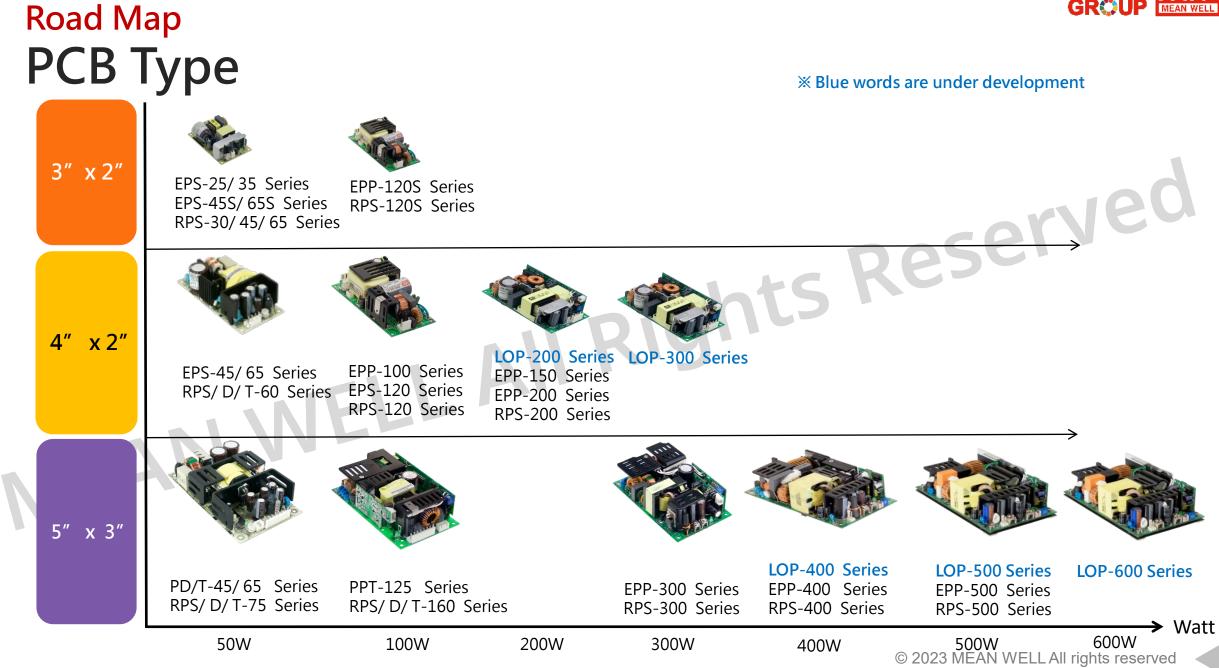
	РСВ Туре	On Board Type	
3"× 2"	Industrial Grade25W~120WEPS Series, EPP Series		Non-potted / Medical Grade
	Medical Grade30W~120WRPS Series		5W~30W <u>MFM Series</u>
4"× 2"	Industrial Grade45W~200WEPS Series, EPP Series200W~300WLOP Series		
	Medical Grade60W~200WRPS/ RPD/ RPT Series		Potted / Medical Grade
5"× 3"	Industrial Grade45W~500WPD/ PT/ PPT/ RPD, EPP Series400W~600WLOP Series		5W~90W <u>MPM Series</u>
	Medical Grade 75W~500W <u>RPS/D/T Series</u>		Potted / Industrial Grade 1W~90W IRM Series
Others	PD-25 Series, PID-250 Series MPQ-200 Series LPS-50/75/100 Series ELP-75 Series, LPP-100/150 Series		

MEAN WELL

SUSTAINABLE DEVELOPMENT

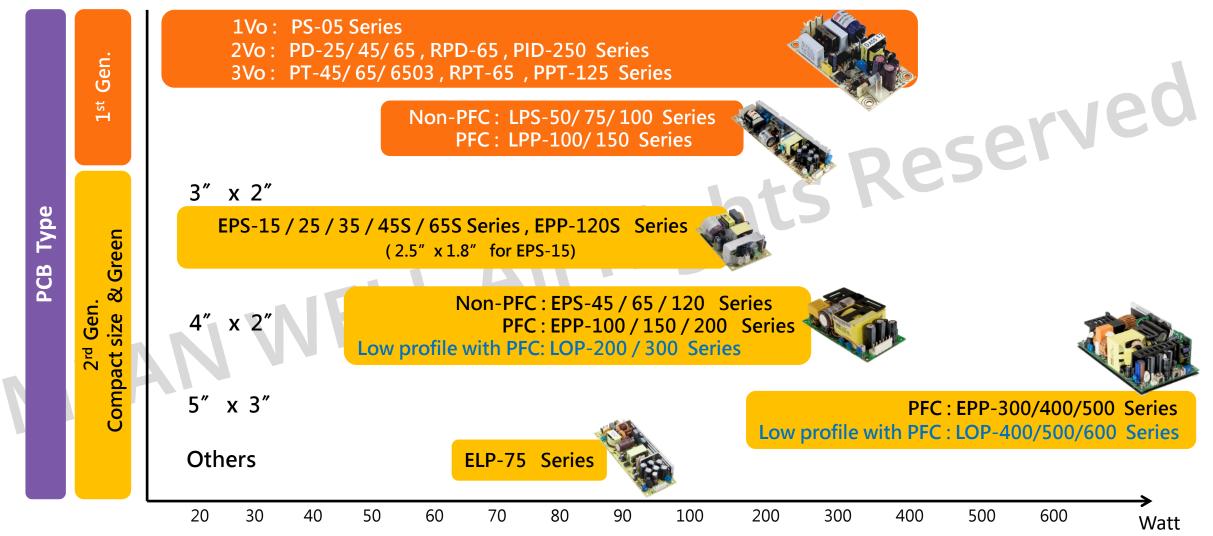
GROUP





Road Map Industrial Grade

X Blue words are under development



Road Map Industrial Grade





Road Map Medical Grade







Key Features Low No-load Power Consumption

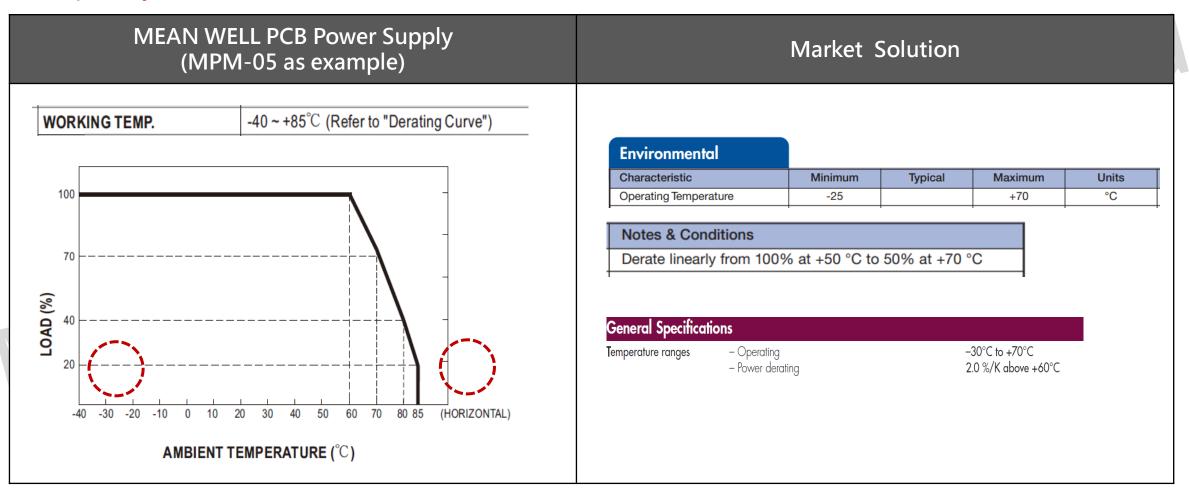
MEAN WELL PCB type power supply have low no-load power consumption, which allows end system to meet energy efficiency regulations more easily!

Туре	No-load power	< 0.075W	< 0.1W	< 0.3W	< 0.5W
On-board non-potted		MFM-05~30 Series			
On-board potted		IRM-01~03 Series MPM-05~30 Series	IRM-05~60 Series MPM-45~90 Series	IRM-90 Series	
PCB Industrial			EPS-45S/ 65S Series	EPS-15~120 Series	EPP-100~500 Series LOP-200~600 Series
PCB Medical			RPS-30~65 Series	RPS-120/120S Series	RPS-200 ~ 500 Series



Key Features Wide Operating Temperature Range

Accepted by more countries and have less restricted use environment





Key Features Complete Safety

No Safety Cost · Ready to Use

Series	Safety	Application
EPS-15~120 Series EPP-100~500 Series LOP-200~600 Series PSC-35~160 Series PD/PT/PPT/RPD Series	ITE Certifications IEC,EN,UL 62368-1/EN60335-1 CB C I I I I I I I I I I I I I I I I I I	
RPS-30~500 Series MPM-5~90 Series MFM-5~30 Series RPD/RPQ/MPQ Series	Medical Certifications IEC, EN, ANSI/AAMI 60601-1 CB SUSSUA SUSSU	
IRM-01~90 Series	Pass LPS certification, 90~305Vac input, suitable for worldwide use! LPS CNUS EFFCBCE LA	



Key Features Class I & Class II

MEAN WELL Class I and Class II power supply products are tested to EMI requirements, which help speed up end system EMI debugging time.

Product Category		Application	Note
Class I		AC input with protected earth ground	 Class I : Grounding requirements for specific locations, i.e. hospital Class II : a. Low leakage, can solve issues caused by multiple units connected
Class II		Two-line input without protected earth ground	in parallel b. No need to worry about interference issues caused by grounding connection

Advantages



Complete Product

Installation

- PCB Type
- On-board Type
- SMD Type

Standard size

- 5″ x 3″
- 4″ x 2″
- 3″ x 2″

Complete Safety

ITE / Industrial

- IEC62368-1
- EN62368-1
- UL62368-1
- EN61558-1

Medical

- IEC60601-1
- EN60601-1
- ANS/AAMI60601-1

Home Appliances EN60335-1

High Reliability

- 40~+85°C operating temperature
- +50°C full load output
- Strict component selection, long lifetime, 3 years warranty

Sales Channel

- Global channel sales
- Quick and localized sales services
- Standard products available from stock



Applications



Internet of Things

- Solar power monitoring
- Smart meters
- Intelligent lighting control
- Sensors



Automation

- Automatic irrigation
- Electrostatic sprayer
- 3D printer



Household

- Water machine
- Coffee machine
- Smart faucet
- Smoke detector



Medical

- Medical cart
- Biomedical analyzer
- Respirator
- Portable instrument

WHY MEAN WELL

Products COMPLETE

More than 10,000 models, continues to introduce 10% new models and EOL 5% every year

QualityHigh reliability and quality indicatorPost-sales failure rate decreases by 10% each year

Cost High cost-performance products, stable material price, complete supply chain integration

Delivery

24-hour delivery for small amount order. 14-day delivery for frequent purchase standard products.

Service

MEAN WELL Group and distributors provide services 24 hours a day, and commit to reply within 24 hours

Reliable Relationship

75% of revenue come from long-term distributors

and customers





Your Reliable Power Partner

