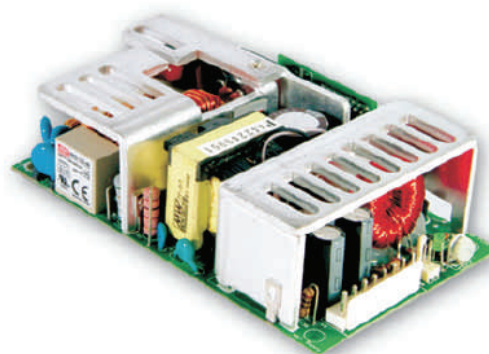


# PPS-125 Series

## 125W Single Output Power Supplies



### FEATURES

- Universal AC input - Full range
  - Built-in active PFC function
  - Short circuit / Over voltage / Overload protections
  - PWM control & regulated
  - High power density 6.117W/inch<sup>3</sup>
  - Built-in remote sense function
  - LED indicator for power on
  - 100% load burn-in test
  - 125W with 18CFM fan
  - 100W convection cooled
  - 5" x 3" compact size
  - 3.3V & 13.5V versions available
- Contact sales for details

### ENVIRONMENTAL

Operating Temp: -20 to +70°C  
With de-rating

Storage Temp: -40 to +85°C

### SAFETY / EMC (SEE NOTE 4)

EN60950  
UL60950

EN55022 Class B  
EN61000-3-2,-3  
EN61000-4-2, 3, 4, 5, 6, 8, 11  
ENV50204  
EN55024 light industry level, criteria A



### ELECTRICAL SPECIFICATIONS

Model No.	PPS-125-XX					
XX	5	12	15	24	27	48
AC Input	90-264Vac, Single Phase, 47-63Hz					
DC Input	127-370VDC					
Power Factor (typ.)	PF>0.93/230Vac		PF>0.98/115Vac at full load			
DC Output						
Voltage	5V	12V	15V	24V	27V	48V
Current (convection)	0-20A	0-8.5A	0-6.7A	0-4.2A	0-3.8A	0-2.1A
Current (18CFM)	0-25A	0-10.5A	0-8.4A	0-5.2A	0-4.6A	0-2.6A
Power (convection)	100W	102W	100.5W	100.8W	102.6W	100.8W
Power (18 CFM)	125W	126W	126W	124.8W	124.2W	124.8W
Ripple & noise (p-p)	100mV	100mV	100mV	150mV	150mV	250mV
Voltage Tolerance	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%

Overload 130-160% rated output power. Foldback I limiting.  
Recovers automatically when condition removed.  
5.5-6.75V 13.8-16.2V 17.25-20.25V 27.6-32.4V 31.05-36.45V 57.6-67.2V

Over Voltage Hiccup mode. Recovers automatically when fault removed

Dimensions 127(L) x 76.2(W) x 34.6(H)mm

Weight 0.37Kg

- Notes:
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
  2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
  3. Tolerance includes set up tolerance, line and load regulation.
  4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.
  5. Heatsinks HS1, HS2 & HS3 can not be shorted.

Specifications subject to change without notice

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