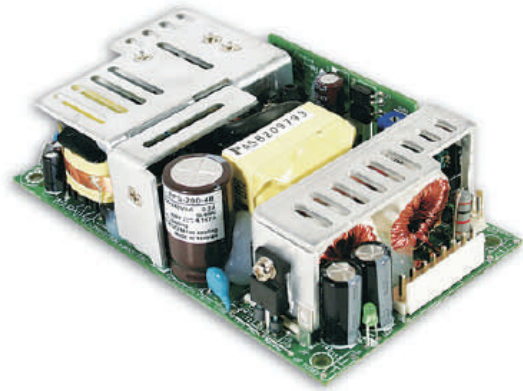


PPS-200 Series

200W Single Output Power Supplies



FEATURES

- Universal AC input - Full range
- Built-in active PFC function
- High efficiency up to 90% typ.
- Short circuit / Over voltage / Overload / Overtemp. protections
- PWM control & regulated
- High power density 9.78W/inch³
- Built-in remote sense function
- ZVS technology to reduce power dissipation
- 5" x 3" compact size
- 150W convection cooled
- 200W with 20.5CFM fan

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-200-XX					
XX	5	12	15	24	27	48
AC Input	90-264Vac, Single Phase, 47-63Hz					
DC Input	127-370VDC					
Power Factor (typ.)	PF>0.94/230Vac		PF>0.98/115Vac at full load			
DC Output						
Voltage	5V	12V	15V	24V	27V	48V
Current (convection)	0-26A	0-12.5A	0-10A	0-6.25A	0-5.56A	0-3.13A
Current (18CFM)	0-36A	0-16.6A	0-13.3A	0-8.3A	0-7.4A	0-4.16A
Power (convection)	130W	150W	150W	150W	150W	150W
Power (18 CFM)	180W	199.2W	199.5W	199.2W	199.8W	200W
Ripple & noise (p-p)	100mV	100mV	100mV	150mV	150mV	250mV
Voltage Tolerance	±4.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
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	105-135% rated output power. Hiccup mode. Recovers automatically when condition removed. 5.6-7.25V 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					
Over-temperature	110°C detect on power transistor heatsink. Shut down O/P. recovers when temp goes down.					
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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