

MPS

MILLENNIUM POWER SYSTEMS



Model MPP1-0500-R5-0050

1U pluggable, 500 Watt Power

Air cooled, five output power supply. Call for options.

SPECIAL FEATURES

- Active Power Factor Correction
- Full range input
- Redundant operation
- Remote management through I2C
- Single wire current sharing on +5V, +3.3V and +12V
- Diode isolation
- Power good signals, TTL and open collector
- Secondary power enable / power disable.
- Inhibit, Fan Fail & multifunction LED
- No minimum load
- Short-circuit protection
- OLP with constant current and delayed latching
- UL, CUL and DEMKO approval, CE compliant
- Handle and user latch
- Ruggedized hot swap connector
- Multiple input and output configurations
- Optional cooling configurations

ELECTRICAL SPECIFICATIONS

Input parameters

Input range	90-264 VAC
Frequency	47-63 Hz
EMI filter	EN55022 Class B, FCC part 15
Inrush current	< 32A @ 230VAC
Isolation	4242 VDC (input to output)
Active PFC	0.99%

NOTE: Specifications subject to change without notice. 02/08/15

VOLTAGE / CURRENT RATINGS

Voltage	Maximum	Peak
+5V V1*	60A	60A
+3.3V V2*	30A	35A
+12V	30A	36A
-12V	5A	5A
+5VSB	2A	2A

** Option- 0033: V1=3.3v@60A / V2=5v@ 30A

Output parameters

DC output	Maximum continuous output
Line regulation	+/- 0.5%
Load regulation	+/- 1% on all outputs
Ripple and noise	1% Pk to Pk
Transient response	2% maximum deviation, return 1ms
Long term stability	0.01% after 20 min warm-up
Hold-up time	20ms minimum / 50ms option
Inhibit	TTL active "low"

Connector

AC Input and DC output: Hot plug Positronic PCIH47M400A1

MECHANICAL DIMENSIONS

Dimensions	11"L x 4.10"W x 1.57"H 279.4mm x 104.5mm x 40mm
Weight	3.25 lbs.
Handle	Folding / Fixed optional
Latch	Finger / thumb screw