

# MPS

## MILLENNIUM POWER SYSTEMS

 MADE IN THE USA

**Model MPPC-1000-R5-xxxx**

### Low profile, 1K Watt Power System

Air cooled five output options available. Call for options.

### SPECIAL FEATURES

- Active Power Factor Correction
- Full range input
- Stand alone 1000 watt system
- 1+1 Redundant 500 watt system
- Remote management through I2C
- Power good signals, TTL and open collector
- Inhibit, Fan Fail & multifunction LED
- No minimum load
- Short-circuit protection
- Overload protection with constant current and delayed latching
- Design for UL, CUL, CE and DEMKO
- Folding handle and Cam latch with thumb screw
- Designed for low profile applications
- 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



#### Output parameters

Voltage	Maximum	Peak
+5V *V1	120A	120A
+3.3V *V2	60A	70A
+12V	60A	72A
-12V	10A	10A
+5VSB	4A	4A

\* Option-1050: V1=5V @ 120A / V2= 3.3V @ 60A

\* Option-1033: V1=3.3V @ 120A / V2= 5V @ 60A

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	10ms minimum
Inhibit	TTL active "low"

#### Connectors

Hot pluggable power supply: Positronic PC1H47M400A1

### MECHANICAL SPECIFICATIONS

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
Connector	Hot plug, Positronic PC147
AC input	Hot plug with wires
Low voltage	Screw terminals