



500W 2U Redundant Power supply with PMBus



Feature

- PMBus 1.2 function
- 80 Plus Gold high power efficiency
- Automatic Fan speed control

Input

- 100 ~ 240Vac full range, 47~63Hz

Efficiency

- Minimum 88% at full load

Hold Up Time

- 17ms min. at full load

Remote On/Off

- PS-ON compatible signal

Power Good

- TTL compatible signal

Output Protection

- Over power protection
- Over voltage and Under voltage protection
- Over current protection
- Short circuit protection

Cooling

- 40mm ball-bearing DC fan

Environment

- Operating temperature: 0°C ~45°C
- Non-operating temp.: -20°C ~70°C
- Operating humidity: 5% ~ 95% non-condensing
- Non-op Humidity: 5% ~ 95% non-condensing

MTBF

- >100,000 hours at 25°C, full rated load

PMBus

- Device address: M1 – B0h & M2 – B2h

EMI

- CE
- FCC class A
- CISPR class A

Safety

- UL 60950-1, CAN/CSA C 22.2 No. 60950-1-07
- TUV EN60950-1/A2:2013
- CB IEC60950-1/A2:2013
- CCC CNCA-C09-01:2014

Net Weight

- 2.6kg / 5.73 lbs

Dimension (W x D x H)

- 82 x 217 x 84mm

Output Table

Output Voltage	+5V	+12V	-12V	+3.3V	+5VSB
Output Current (max)	25A	41A	0.8A	25A	3.5A
Output Current (min)	1A	1A	0A	1A	0.1A
Ripple/Noise Max	50mV	120mV	120mV	50mV	50mV
Load Regulation	±5%	±5%	±5%	±5%	±5%
Line Regulation:	±1%	±1%	±1%	±1%	±1%

1. Noise Test – Ripple & Noise bandwidth is set from DC to 20MHz.
2. Parallel combination of a 0.1uF ceramic and a 10uF tantalum capacitors at output point of measurement.
3. The combined total power from 5V & 3.3V shall not exceed 170W.

Ordering Information

PK-2500RB	500W 2U redundant PSU, 80 Plus Gold with PMBus
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