



AC/DC 500W Hot Swap Redundant Power Supply with PFC Function and ATX Output



Features

- Short circuit, overload, over voltage protection
- Power System Fault Signal and Audible Alarm
- Input Voltage 90~264V AC Full Range
- Safety Standard: UL/TUV/CUL/CE/CB/IEC60950
- EMI standards: FCC Class B / VCCI Class B

Input

- 90~264V (Auto-sensing)

Efficiency

- 65% minimum at full load, 115Vac input

Hold Up Time

- 16ms minimum at full load, 115Vac input

Remote On/Off

- PSON compatible signal

Power Good

- TTL signal compatible power good signal. Turn-on delay 100 ~ 500ms

Cooling

- 40mm Ball bearing fan (40x40x10 mm)

Output Protection

- Short circuit, overload & over voltage power protection. Power Fault Warning with front panel status LED and audible alarm

MTBF

- 100K hours at 25°C, 80% full rated load

Environment

- Operating Temperature: 0 to 50 °C.
- Operating Humidity: 10% ~ 90% relative humidity, non-condensing at 40°C.

EMI/RFI

- FCC Class B
- CISPR22 Class B
- VCCI Class B

Safety

- UL/TUV/CUL/CE/CB/ IEC60950

Dimension

- 150 (W) x 185 (D) x 86 (H) mm

Output Table

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V4 -5V	V5 -12V	5VSB
Max Load	30A	25A	30A	0.5A	2A	3A
Min Load	1A	1A	2.6A	0A	0A	0A
Load Regulation	+/-5 %	+/-5 %	+/-5 %	+/-5 %	+/-5 %	+/-5 %
Cross Regulation	+/-5 %	+/-5 %	+/-5 %	+/-5 %	+/-5 %	+/-5 %
Ripple	100 mV	100 mV	150 mV	200 mV	200 mV	100 mV
Noise	100 mV	100 mV	150 mV	200 mV	200 mV	100 mV

Note1: Noise bandwidth is from DC to 20MHz. Add 0.1uF/10uF

Capacitor at output connector terminals for Ripple and Noise measurement.

Note 2: Combined Total Power from +3.3V and +5V Rails Shall Not Exceed 180W.

Note 3: The Total Output Power Shall Not exceeds 500W.

Ordering Information

PSA-4500AXRP AC/DC 500W ATX mini Redundant Power Supply

PSA-4400AXRP AC/DC 400W ATX mini Redundant Power Supply