



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/CB/CE
- EMI standards: FCC Class B / CISPR22 Class B

Input

- 90~264V (Auto-sensing)

Efficiency

- 65% minimum, at full load

Hold Up Time

- 16ms minimum, at full load

Remote On/Off

- PSON compatible signal

Power Good

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

Cooling

- 40mm Ball bearing fan (40 x 40 x10 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

Environment

- Operating Temperature: 0 to 50 °C.
- Operating Humidity: 5% ~ 90% relative humidity & non-condensing

EMI/RFI

- FCC part 15, Subpart B, Class B
- CISPR22 (EN55022) Class B, CE make
- EN61000-3-3;1995, EN61000-4-2, -3, -4, -5, -6, -8, -11

Safety

- UL, TUV, CB, CE

Dimension

- 150 (W) x 200 (D) x 86 (H) mm

Output Table

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V4 -5V	V5 -12V	5VSB
Max Load	42A	24A	28A	0.5A	0.8A	2A
Min Load	3A	0.3A	2A	0.1A	0.1A	0.1A
Regulation	+/-5 %	+/-5 %	+/-5 %	+/-10 %	+/-10 %	+/-5 %
Ripple (mV)	50	120	50	120	50	50

Note1: The combined total power from +5V and +3.3V shall not exceed 210W. The combined total power from +5V and +12V & +3.3V shall not exceed 475W

Note 2: Noise Test – Noise bandwidth is from DC to 20 MHz.

Note 3: Ripple frequencies greater than 1MHz shall be attenuated by the measurement System.

Note 4: Add 0.1uF/10uF capacitor at output connector terminals for ripple and noise

Ordering Information

TC-500R8A

AC/DC 500W ATX Hot Swap Redundant
Power Supply

