



## 500W 2U single output ATX Power supply with Active PFC



### Feature

- High power efficiency
- Low noise
- Meet safety standard & RoHS compliant

### Input

- 100 ~ 240Vac full range

### Efficiency

- Minimum 87.25% at full load

### Hold Up Time

- 16ms min. at full load

### Remote On/Off

- PS-ON compatible signal

### Power Good

- TTL compatible signal

### Output Protection

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

### Cooling

- 60mm ball-bearing DC fan

### Environment

- Operating temperature: 0°C ~45°C
- Non-operating temp.: -20°C ~70°C
- Humidity: 5% ~ 90% non-condensing

### MTBF

- >100,000 hours at 25°C

### EMI

- EN55032, EN55024
- EN62368-1:2014/A11:2017
- IEC 62368-1:2014

### Safety

- UL 62368-1, 2nd Ed., Issue Date: 2014-12-01
- TUV EN62368-1:2014/A11:2017
- CB IEC62368-1:2014
- BSMI CNS14336-1, CNS13438

### Net Weight

- 2.1kg / 4.63 lbs

### Dimension (W x D x H)

- 100 x 200 x 70mm

Output Table

Output Voltage	+5V	+12V	-12V	+3.3V	+5VSB
Output Current (max)	25A	40A	0.8A	25A	3.5A
Output Current (min)	0.5A	2A	0A	0.5A	0.1A
Ripple/Noise Max	60mV	120mV	120mV	60mV	60mV
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. Ripple frequencies greater than 1MHz will be attenuated by measurement system.
3. Use a 0.1uF ceramic and a 10uF electrolytic capacitors at output connector terminals for ripple and noise measurement.
4. The combined total power from 5V & 3.3V shall not exceed 170W.

### Ordering Information

PI-2500P	500W 2U ATX Power supply
PI-2400P	400W 2U ATX Power supply

\*The PI-2400P for 400W PSU specification is available [here](#)

