

PRB250Q-J3

AC 1U Single Removable

Features

- 250W 6 Outputs, AC Active PFC Input Design
- Meet Intel ATX 12V/SSI EPS Requirements
- Removable Power Module for easy maintenance
- Build in DC Remote ON/OFF, PG/PF TTL Signal
- Fan Signal O/P – Frequency Generator O/P
- Build in Long Life Ball Bearing Fan
- Complies with FCC Class B, CISPR Pub. 22, EN55022 Class B, and CE requirements
- UL/cUL 60950, TUV and CB EN 60950 certified
- MTBF 100KHRs @ 25 °C per MIL-HDBK-217F
- 3 years manufacturer warranty



Electrical Specifications

AC Input

- | | | | |
|-------------------|--------------|-------------------|--------------------------------|
| ▪ Input Voltage | 90 – 264 VAC | ▪ Efficiency | >63% @ full load, nominal line |
| ▪ Input Current | 5.0A max. | ▪ Inrush Current | 80A max @ cold start |
| ▪ Input Frequency | 47 – 63 Hz | ▪ Leakage Current | 0.75mA max @ 264Vac |

DC Output - 250W Max

Voltage	+5V	+12V	+3.3V*	-5V*	-12V*	+5VSB*
Max load	25.0A	14.0A	22.0A	0.5A	2.0A	2.0A
Min load – Rev A	0.75-1.50A	0-0.5A	0-0.3A	0.0A	0.0A	0.0A
Min load – Rev B	0.00-0.75A	0-0.5A	0-0.3A	0.0A	0.0A	0.0A
Peak load	---	17.0A	---	---	---	---
Regulation	±3%	±3%	±3%	±10%	±5%	±5%
Ripple & Noise	50mV	120mV	50mV	100mV	120mV	50mV

- | | |
|---|---|
| ▪ The continuous total output power is 250W max | ▪ Transient Overshoot: 10% max w/ 20% load change |
| ▪ The combined power of +5V and +3.3V is 130W max | ▪ Rise Time: 20 msec (maximum) @ full load |
| ▪ The peak load on +12V lasting 15 seconds max | ▪ Power Up Time: 800 msec (maximum) @ full load |
| ▪ The outputs marked with " * " can be optional | ▪ Over Power Protection: 150% max |
| ▪ Remote ON/OFF: TTL High/PS OFF, TTL Low/PS ON | ▪ Over Current Protection on all outputs |
| ▪ PG delay: 100-500 msec; PF delay: > 1 msec | ▪ Over Voltage Protection on +5V, +12V, and +3.3V |
| ▪ Hold-Up time: 20 msec (minimum) @ full load | ▪ Short Circuit Protection on all outputs |

Mechanical Dimension

- W x L x H = 83 x 240 x 40.6 mm / 3.27 x 9.45 x 1.58 inch (* Mounting brackets and top/bottom of the cage are not included in these dimensions!)