

# PRB460QV-J3

# AC 2U 2+1 Redundant

## Features

- 460W 6 Outputs, AC Active PFC Input Design
- Build in Active (Single wire) Current Sharing
- Meet Intel ATX 12V/SSI EPS Requirements
- Fan Signal O/P – Frequency Generator O/P
- Individual PG Signals and System PG Signal
- Individual LED on Module and from Backplane
- System Alarm Buzzer and System TTL Signal
- 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/module | ▪ Inrush Current  | 80A max/module @ cold start    |
| ▪ Input Frequency | 47 – 63 Hz      | ▪ Leakage Current | 0.75mA max/module @ 264Vac     |

### DC Output - 460W Max

Voltage	+5V	+12V	+3.3V*	-5V*	-12V*	+5VSB*
Max load	45.0A	25.0A	40.0A	0.8A	3.0A	3.0A
Min load – Rev A	2.50-4.00A	0-1.0A	0-0.8A	0.0A	0.0A	0.0A
Min load – Rev B	0.00-2.00A	0-1.0A	0-0.8A	0.0A	0.0A	0.0A
Peak load	---	31.0A	---	---	---	---
Regulation	±3%	±3%	±3%	±10%	±5%	±5%
Ripple & Noise	50mV	120mV	50mV	100mV	120mV	50mV

- The continuous total output power is 460W max
- The combined power of +5V and +3.3V is 235W max
- The peak load on +12V lasting 15 seconds max
- The outputs marked with " \* " can be optional
- Remote ON/OFF: TTL High/PS OFF, TTL Low/PS ON
- PG delay: 100-500 msec; PF delay: > 1 msec
- Hold-Up time: 20 msec (minimum) @ full load
- Transient Overshoot: 10% max w/ 20% load change
- Rise Time: 20 msec (maximum) @ full load
- Power Up Time: 800 msec (maximum) @ full load
- Over Power Protection: 150% max/module
- Over Current Protection on all outputs
- Over Voltage Protection on +5V, +12V, and +3.3V
- Short Circuit Protection on all outputs

## Mechanical Dimension

- W x L x H = 127 x 240 x 83.0 mm / 5.00 x 9.45 x 3.27 inch (\* Mounting brackets are not included in these dimensions!)