# PRB350MV-J5     *AC PS2 1+1 Redundant*

## Features

- 350W 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 $^{\circ}$C per MIL-HDBK-217F
- 3 years manufacturer warranty



## Electrical Specifications

### AC Input

- Input Voltage    90 – 264 VAC
- Input Current    6.3A max.
- Input Frequency    47 – 63 Hz

- Efficiency    >63% @ full load, nominal line
- Inrush Current    80A max/module @ cold start
- Leakage Current    0.75mA max/module @ 264Vac

### DC Output - 350W Max

| Voltage | +5V | +12V | +3.3V* | -5V* | -12V* | +5VSB* |
|---------|------|-------|--------|------|-------|--------|
| Max load | 45.0A | 20.0A | 28.0A | 0.5A | 2.0A | 2.0A |
| Min load – Rev A | 2.0-3.0A | 0-1.0A | 0-0.5A | 0.0A | 0.0A | 0.0A |
| Min load – Rev B | 0.0-1.0A | 0-1.0A | 0-0.5A | 0.0A | 0.0A | 0.0A |
| Peak load | --- | 24.0A | --- | --- | --- | --- |
| Regulation | ±3% | ±3% | ±3% | ±10% | ±5% | ±5% |
| Ripple & Noise | 50mV | 120mV | 50mV | 100mV | 120mV | 50mV |

- The continuous total output power is 350W max
- The combined power of +5V and +3.3V is 230W 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 = 150 x 185 x 111 mm / 5.91 x 7.28 x 4.37 inch (* Mounting brackets are not included in these dimensions!)