

PRB910MV-J4

AC 4U 3+1 Redundant

Features

- 910W 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

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|-------------------|-----------------|-------------------|--------------------------------|
| ▪ Input Voltage | 90 – 264 VAC | ▪ Efficiency | >63% @ full load, nominal line |
| ▪ Input Current | 6.3A max/module | ▪ Inrush Current | 80A max/module @ cold start |
| ▪ Input Frequency | 47 – 63 Hz | ▪ Leakage Current | 0.75mA max/module @ 264Vac |

DC Output - 910W Max

| Voltage | +5V | +12V | +3.3V* | -5V* | -12V* | +5VSB* |
|------------------|----------|--------|--------|-------|-------|--------|
| Max load | 120.0A | 52.0A | 72.0A | 1.0A | 4.0A | 4.0A |
| Min load – Rev A | 4.0-7.0A | 0-3.0A | 0-2.0A | 0.0A | 0.0A | 0.0A |
| Min load – Rev B | 0.0-3.0A | 0-3.0A | 0-2.0A | 0.0A | 0.0A | 0.0A |
| Peak load | --- | 64.0A | --- | --- | --- | --- |
| Regulation | ±3% | ±3% | ±3% | ±10% | ±5% | ±5% |
| Ripple & Noise | 50mV | 120mV | 50mV | 100mV | 120mV | 50mV |

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|---|---|
| ▪ The continuous total output power is 910W max | ▪ Transient Overshoot: 10% max w/ 20% load change |
| ▪ The combined power of +5V and +3.3V is 600W 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/module |
| ▪ 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 = 150 x 185 x 171.0 mm / 5.91 x 7.28 x 6.73 inch (* Mounting brackets are not included in these dimensions!)