

PRB630MV-J3

AC 3U 2+1 Redundant

Features

- 630W 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 - 630W Max

Voltage	+5V	+12V	+3.3V*	-5V*	-12V*	+5VSB*
Max load	80.0A	36.0A	50.0A	0.8A	3.0A	3.0A
Min load – Rev A	3.0-5.0A	0-2.0A	0-1.0A	0.0A	0.0A	0.0A
Min load – Rev B	0.0-2.0A	0-2.0A	0-1.0A	0.0A	0.0A	0.0A
Peak load	---	44.0A	---	---	---	---
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 630W max | ▪ Transient Overshoot: 10% max w/ 20% load change |
| ▪ The combined power of +5V and +3.3V is 410W 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 128.5 mm / 5.91 x 7.28 x 5.06 inch (* Mounting brackets are not included in these dimensions!)