

### INTRODUCTION

This redundant power supply is designed to power the Addonics 4U Storage Rack series for mission critical storage applications. The two removable power modules ensure continuous uninterrupted power should one power module fails. There are both display and audio alarm to alert user when one of power modules fails.

#### 500W Redundant ATX Power Supply



#### Replacement Module



#### Control Module



## FEATURES

- Hot-Swappable Power Module
- Load Sharing
- Dual AC input
- 4 X High performance cooling fans
- 3 status LEDs
  - one on each power module for status display
  - one on the main unit for alarm display
- Audible alarm for any malfunction
- Industrial grade connectors
- Side air vents
- Efficiency: 67% Typical(Normal Line)
- ATX 12V / EPS 12V
- 110/240V AC auto sense

## SPECIFICATIONS

- AC Input:
  - VOLTAGE: 100~240V, (115/230 auto)
  - FREQUENCY: 50/60Hz
  - INPUT CURRENT: 8A/4A For 115/230VAC
  - INRUSH CURRENT: 60A/80A MAX FOR 115/230V
- DC Output: DIMENSION: D199 X W150 X H86mm

OUTPUT VOLTAGE	OUTPUT CURRENT		REGULATION		OUTPUT
	MIN(A)	MAX(A)	LOAD	LINE	RIPPLE & NOISE MAX.[P-P]
+5V	3	42	±5%	±1%	50mV
+12V	2	28	±5%	±1%	120mV
-5V	0.1	0.5	±10%	±1%	150mV
-12V	0.1	0.8	±10%	±1%	150mV
+3.3V	1	24	±5%	±1%	50mV
+5VSB	0.1	2	±5%	±1%	50mV

- Cooling: By forced air 2x40mm Fan (Each module)
- Operating temperature: 0°C~50°C
- Storage temperature: - 20°C - 70°C
- Humidity: 5 - 90% RH non-condensing
- HOLD UP TIME: 16ms at maximum load & normal input voltage
- POWER GOOD SIGNAL: Should be asserted high to indicate that+5VDC and +3.3VD output are above the low voltage thresholds. Compatible signal out with 100ms to 500ms.
- OVER POWER PROTECTION: The power supply shall shut down output power exceeds 130% to 160%
- OVER VOLTAGE PROTECTION: Standard on +5.0V, set at 6.25VDC ± 0.75VDC
- SHORT CIRCUIT PROTECTION: A short circuit placed between the DC return and the output shall cause no damage and the power supply shall shutdown.
- EMI: FCC part 15, subpart B, Class B, EN55022 CISPR22 Class B.
- Agency approvals: UL60950, CAN/CSA22.2 No.60950, TUV(IEC60950)
- MTBF of power supply electronics: 100,000 hours. Life expectancy of fan 40,000 hours

**NOTE: The combined output power +5V&+3.3V shall not exceed 210W. The total power shall not exceed 500W**