

R4B-500G1V2 R4B-600G1V2

Industrial Redundant 500W/600W Auto Ranging Power Supply



High Efficiency
86%



FEATURES

- Maximum Power Output: 600/50/400W
- Voltage: 100 - 240VAC Full Range
- Frequency: 50 - 60Hz.
- Input current: 8A/10A (RMS) for 115VAC / 4A/5A (RMS) for 230VAC. (500W,600W)
- Inrush current: 35A for 115VAC, 55A for 230VAC (500W,600W)
- Safety Approval: Meet CE Rohs 2.0 2011/65/EU, Meet REACH
- Operation Temp.: 0°C~50°C
- High Efficiency: 86%
- Reliability MTBF : Using MIL - HDBK -217F the calculated MTBF > 100,000 hours at 25°C.

Introduction

Industrial Redundant ATX Auto Ranging Power Supply suitable for Desktop & Rack Mount Chassis solutions. The Input power is Auto ranging from 100~240 VAC providing up to 500~600W of power to DC solutions.

Specification

Efficiency	The minimum efficiency shall be 86% with full load and 115Vac/60Hz.
Hold-Up Time	The output voltages stay in regulation at least 18ms with 70% load after loss of AC input
PROTECTIONS	Over Current Protection Over Voltage Protection Short Circuit Protection Over Temperature Protection
MTBF (Electronics)	100,000 hours at full load and 25°C ambient temperature
MTBF (Fan)	40,000 hours at 40°C
EMI	FCC part 15, Subpart B, Class B EN55022 CISPR22 Class B
Remote ON/OFF Control	When PS-ON is pull to TTL low, the DC output is to be enabled. When PS-OFF is pull to TTL high the DC output is to be disabled
RoHS	Compliant
COOLING	Two 40mm DC FANS

Outputs (500W+500W)

Output Voltage	+5VDC	+12VDC	+3.3VDC	-12VDC	+5VSB
Output Current(Max)	25A	41A	25A	0.8A	3.5A
Output Current(Min.)	1A	1A	1A	0A	0.5A
Ripple/Noise Max.(P-P):	60mv	120mv	60mv	120mv	50mV
Line Regulation:	±1 %	±1 %	±1 %	±1 %	±1 %
Load Regulation:	±5 %	±5 %	±5 %	±5 %	±5 %

Outputs (600W+600W)

Voltage	+5V	+12V	-12V	+3.3V	+5VSB
Output Current(Max)	25A	49A	0.8A	25A	3.5A
Output Current(Min.)	0.5A	2A	0A	0.5A	0.1A
Ripple/Noise Max.(P-P):	60mv	120mv	120mv	60mV	60mV
Line Regulation:	±1 %	±1 %	±1 %	±1 %	±1 %
Load Regulation:	±5 %	±5 %	±5 %	±5 %	±5 %

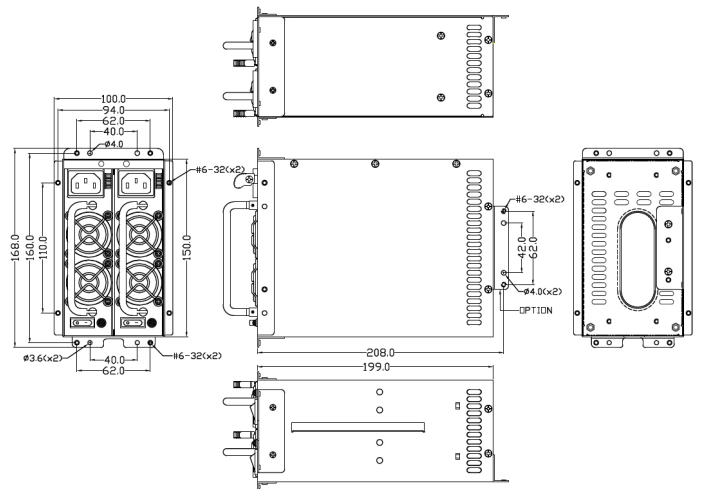
Mechanical & Environment

Operating Temperature	0°~50°C
Storage Temperature	-20°~70°C
Relative Humidity	5~90%, non-condensing 20% to 90%, non-condensing
Altitude	Altitude during operation: Up to 5000m
Reliability MTBF	Using MIL - HDBK -217F the calculated MTBF > 100,000 hours at 25°C.
Cooling	By ball bearing DC fan.
Dimensions	199x150x86(mm)
Compliant / Approval	EN-61000-3-2 CLASS D (Active PFC), UL60950, CAN/CSA22.2 No.60950

Ordering Information

RB4-500G1V2	Industrial Redundant 500W+500W Auto Ranging Power Supply
RB4-600G1V2	Industrial Redundant 600W+600W Auto Ranging Power Supply

Dimension



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