

R2A-550D1V2 R2A-500D1V2 R2A-460D1V2

Industrial Redundant 2U 550W/500W/460W Auto Ranging Power Supply



FEATURES

- Maximum Power Output: 550/500/460W
- Frequency: 50 - 60Hz.
- Input Current: 10A for 115VAC, 5A for 230VAC.
- Inrush Current: 25A for 115VAC, 50A for 230VAC.
- The Minimum efficiency of the power supply is 80% at full load and 1150Vac/60HZ input.
- The minimum power factor at full load shall be 0.98 / 115V 60 Hz and 0.96 / 230V 50 Hz.
- Safety Approval: Meet CE Rohs 2.0 2011/65/EU, Meet REACH
- Operation Temp.: 0°C~40°C
- High Efficiency: 80%
- Reliability MTBF : Using MIL - HDBK -217F the calculated MTBF > 100,000 hours at 25°C.

Introduction

Industrial Redundant 2U 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 550~460W of power to DC solutions.

Specification

Efficiency	The minimum efficiency shall be 80% 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 (460W+460W)

Output Voltage	+5V DC	+12V DC	+3.3V DC	-12V DC	+5VSB
Output Current(Max)	25A	36A	25A	1A	3A
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 (500W+500W)

Output Voltage	+5V DC	+12V DC	+3.3V DC	-12V DC	+5VSB
Output Current(Max)	25A	40A	25A	1A	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 (550W+550W)

Output Voltage	+5V DC	+12V DC	+3.3V DC	-12V DC	+5VSB
Output Current(Max)	25A	45A	25A	1A	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 %

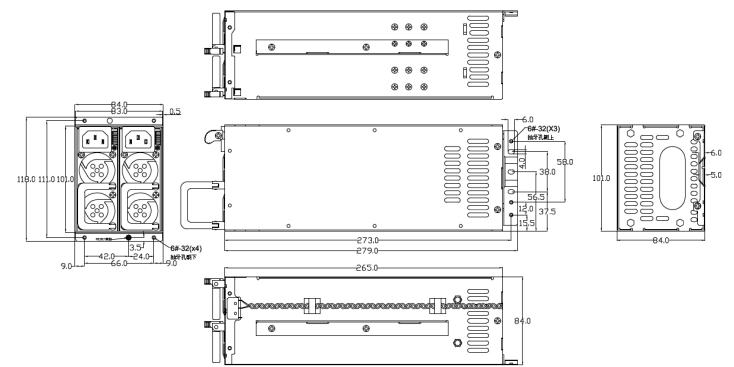
Mechanical & Environment

Operating Temperature	0°~40°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	265x101x84(mm)
Compliant / Approval	EN-61000-3-2 CLASS D (Active PFC), UL60950, CAN/CSA22.2 No.60950

Ordering Information

R2A-550D1V2	Industrial Redundant 2U 550W Auto Ranging Power Supply
R2A-500D1V2	Industrial Redundant 2U 500W Auto Ranging Power Supply
R2A-460D1V2	Industrial Redundant 2U 460W Auto Ranging Power Supply

Dimension



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