

R1J-250I1H2A0
R1J-300I1H2A0
R1J-350I1H2A0
R1J-400I1H2A0

Industrial Redundant 1U 250W/300W/350W/400W Auto Ranging Power Supply



FEATURES

- Maximum Power Output: 250/300/350/400W
- VOLTAGE: 100 - 240Vac Full Range
- FREQUENCY: 50 - 60Hz.
- INPUT CURRENT: 7A (RMS) for 115V AC, 3A (RMS) for 230VAC.
- INRUSH CURRENT: 35A for 115VAC, 70A for 230VAC
- Safety Approval: Meet CE Rohs 2.0 2011/65/EU, Meet REACH
- Operation Temp.: 0°C~45°C
- High Efficiency: 80%
- Reliability MTBF : Using MIL - HDBK -217F the calculated MTBF > 100,000 hours at 25°C.

Introduction

Industrial Redundant 1U 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 250~400W 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 (250W+250W)

Output Voltage	+3.3V DC	+5V DC	+12V DC	-12V DC	+5VSB
Output Current(Max)	20A	20A	20A	0.5A	2A
Output Current(Min.)	1A	1A	1A	0A	0.5A
Ripple/Noise Max.(P-P):	60mv	60mv	120mv	120mv	50mV
Line Regulation:	±1 %	±1 %	±1 %	±1 %	±1 %
Load Regulation:	±5 %	±5 %	±5 %	±5 %	±5 %

Outputs (300W+300W)

Output Voltage	+3.3V DC	+5V DC	+12V DC	-12V DC	+5VSB
Output Current(Max)	20A	20A	24A	0.5A	2A
Output Current(Min.)	1A	1A	1A	0A	0.5A
Ripple/Noise Max.(P-P):	60mv	60mv	120mv	120mv	50mV
Line Regulation:	±1 %	±1 %	±1 %	±1 %	±1 %
Load Regulation:	±5 %	±5 %	±5 %	±5 %	±5 %

Outputs (350W+350W)

Output Voltage	+3.3V DC	+5V DC	+12V DC	-12V DC	+5VSB
Output Current(Max)	20A	20A	28A	0.5A	3A
Output Current(Min.)	1A	1A	1A	0A	0.5A
Ripple/Noise Max.(P-P):	60mv	60mv	120mv	120mv	50mV
Line Regulation:	±1 %	±1 %	±1 %	±1 %	±1 %
Load Regulation:	±5 %	±5 %	±5 %	±5 %	±5 %

Outputs (400W+400W)

Output Voltage	+3.3V DC	+5V DC	+12V DC	-12V DC	+5VSB
Output Current(Max)	20A	20A	32A	0.5A	3A
Output Current(Min.)	1A	1A	1A	0A	0.5A
Ripple/Noise Max.(P-P):	60mv	60mv	120mv	120mv	50mV
Line Regulation:	±1 %	±1 %	±1 %	±1 %	±1 %
Load Regulation:	±5 %	±5 %	±5 %	±5 %	±5 %

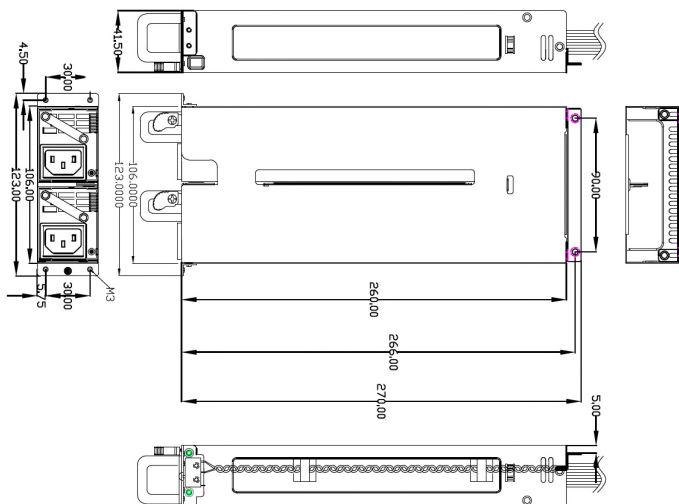
Mechanical & Environment

Operating Temperature	0°~45°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	260x106x41.50(mm)
Compliant / Approval	EN-61000-3-2 CLASS D (Active PFC), UL60950, CAN/CSA22.2 No.60950

Ordering Information

R1J-250I1H2A0	Industrial Redundant 1U 250W Auto Ranging Power Supply
R1J-300I1H2A0	Industrial Redundant 1U 300W Auto Ranging Power Supply
R1J-350I1H2A0	Industrial Redundant 1U 350W Auto Ranging Power Supply
R1J-400I1H2A0	Industrial Redundant 1U 400W Auto Ranging Power Supply

Dimension



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