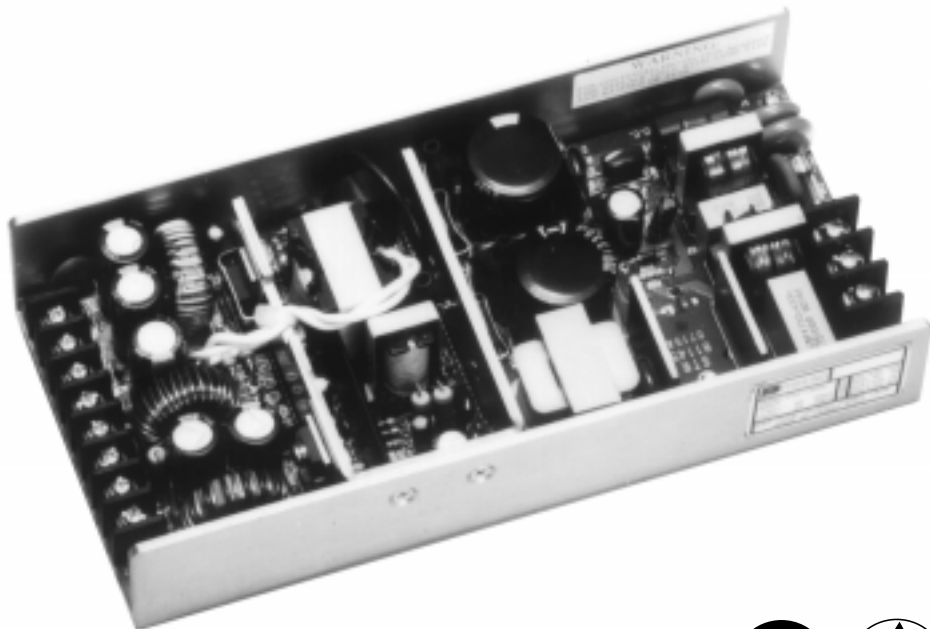


150W Auto-Ranging Industrial Series

PSA-1500U Single Output U-Channel



Features

- High efficiency
- Built-in EMI filter
- 100% Burn-in
- Small low profile package
- Short circuit protection
- Over voltage protection

Applications

- File servers
- Workstations
- Test equipment
- Industrial controls

Safety Approvals

- UL 1950
- CSA 22.2 1402C Level 3
- TUV EN 60950 (IEC 950)

Mechanical Characteristics

- Dimensions:
- Length: 198.16mm (7.8in)
 - Width: 96.52mm (3.8in)
 - Height: 38.1mm (1.5in)
 - Weight: 0.86Kgs (1.89lbs)

Output Specifications

Model	DC Output Voltage	Load			Ripple P-P	Total Tolerance
		Min.	Max.	@30 CFM		
PSA-1503U	+5V	0A	20A	30A	70mV	+1%
PSA-1504U	+12V	0A	8A	12A	120mV	+1%
PSA-1515U	+15V	0A	6.5A	10A	150mV	+1%
PSA-1505U	+24V	0A	4.0A	6.0A	240mV	+1%

(1) The maximum continuous output power shall not exceed 100 watts with convection cooling, and 150 watts with 30 CFM air cooling.

(2) Ripple & noise is measured at 20MHz bandwidth limit by using a 10in. twisted wire terminated with a 10 μ F capacitor in parallel with a 0.1 μ F ceramic capacitor.

GREEN
MOTION
TECHNICAL

ISO 9001 • BABT
Facility Approvals



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150W Auto-Ranging Industrial Series
PSA-1500U Single Output U-Channel

Characteristics

Ac input Voltage
90-132/180-264VAC
(Auto ranging)

AC Frequency
47 to 63Hz

AC Input Current
4A maximum (115V)
2A maximum (230V)

AC Inrush Current
25A (115VAC)
50A (230VAC)

AC Leakage Current
0.75mA maximum
(240VAC 50Hz)

Efficiency
70% typical at full load,
120VAC

Hold-up Time
16msec. at full load, 120VAC

Switching Frequency
100KHz typical

Overvoltage Protection
110-130% of rated voltage

Overcurrent Protection
Short circuit protected
Auto-restart

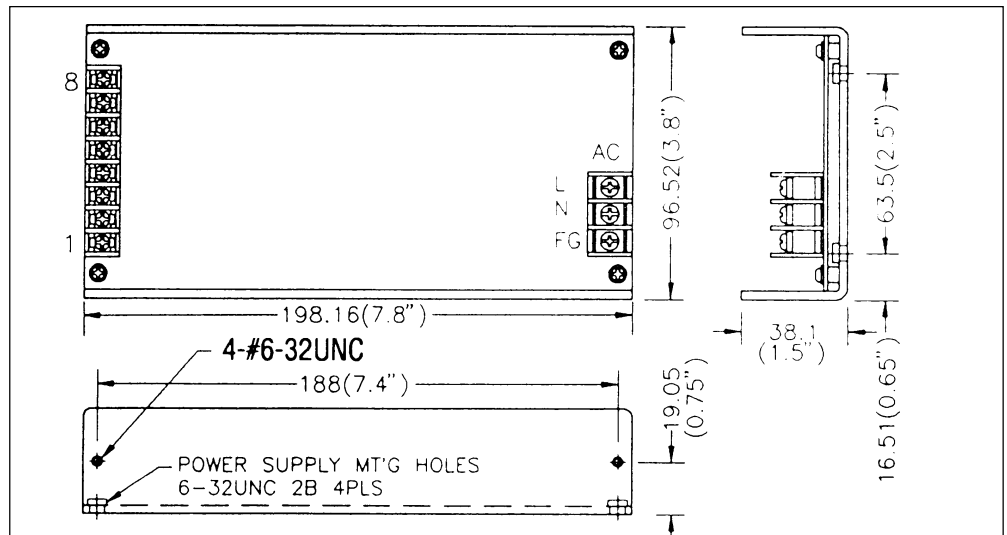
Temperature Range
Operating: 0 to 50°C
Storage: -25 to 85°C

MTBF
Calculated
Greater than 100,000 hours,
full load, 25°C
(MIL-HDBK-217)

EMI Requirements
FCC class A
VDE 0871 class A
(Class B with external style)

Mating Connectors
Screw terminals

Dimension Diagram Unit: mm (inch)



Model	PSA-1503U	PSA-1504U	PSA-1505U	PSA-1515U
1	S+	S+	S+	S+
2	+5V	+12V	+24V	+15V
3	+5V	+12V	+24V	+15V
4	+5V	+12V	+24V	+15V
5	RTN	RTN	RTN	RTN
6	RTN	RTN	RTN	RTN
7	RTN	RTN	RTN	RTN
8	S-	S-	S-	S-

1500U S/607