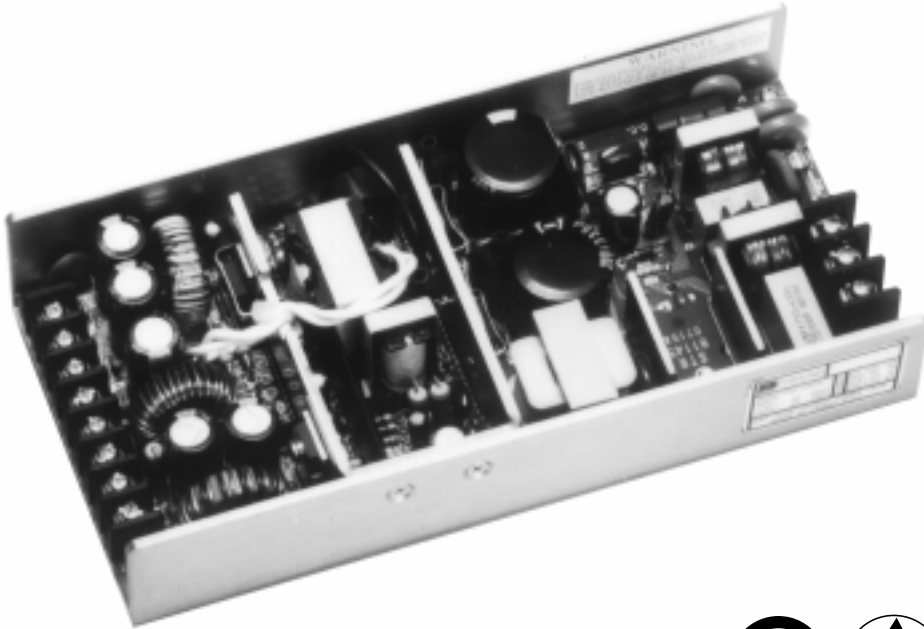


150W Auto-Ranging Industrial Series

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 10µF capacitor in parallel with a 0.1µF ceramic capacitor.

GREEN
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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)

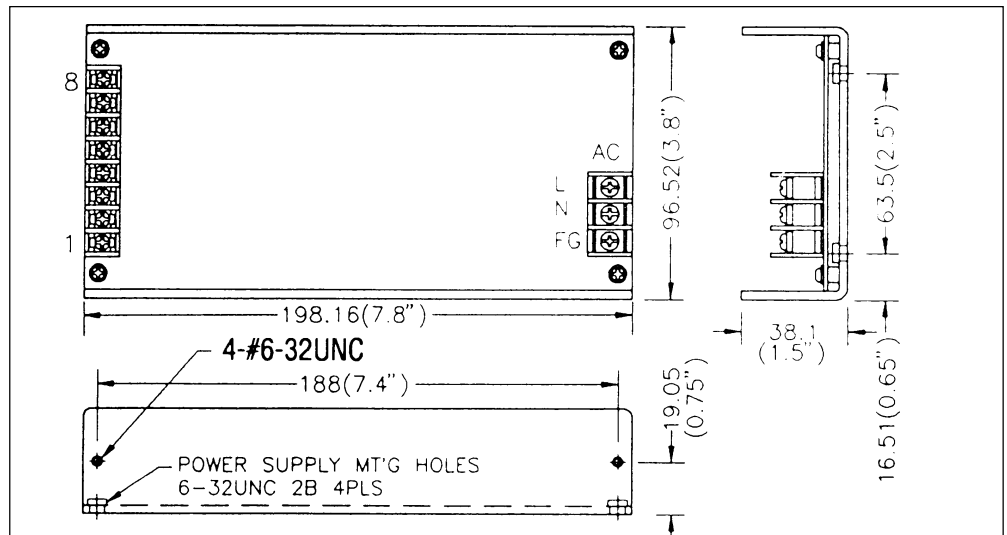
EMI Requirements

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