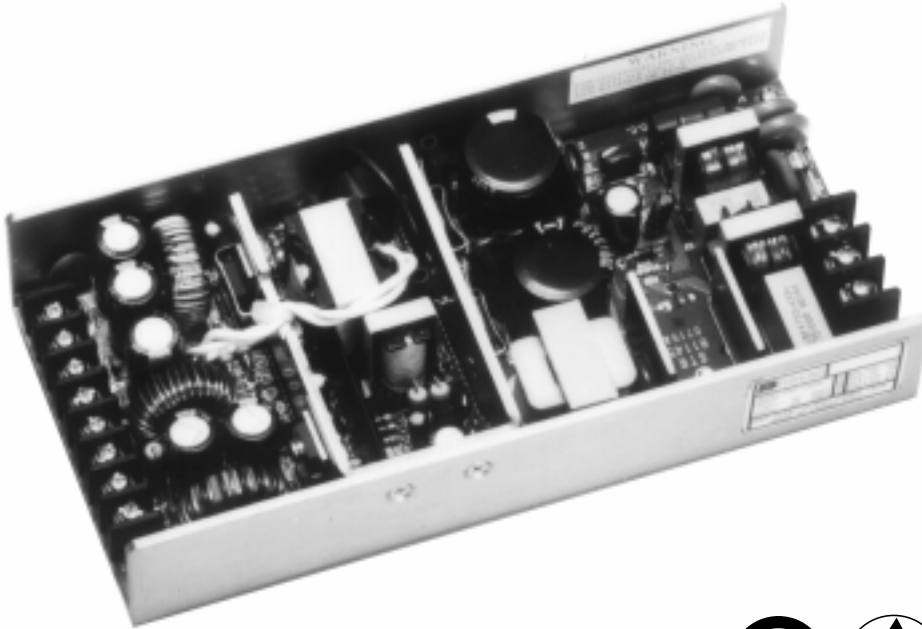


# 150W Auto-Ranging Industrial Series

## 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<br>Voltage | Load |      |         | Ripple<br>P-P | Total<br>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 $\mu$ F capacitor in parallel with a 0.1 $\mu$ F ceramic capacitor.

ONOFF

**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)

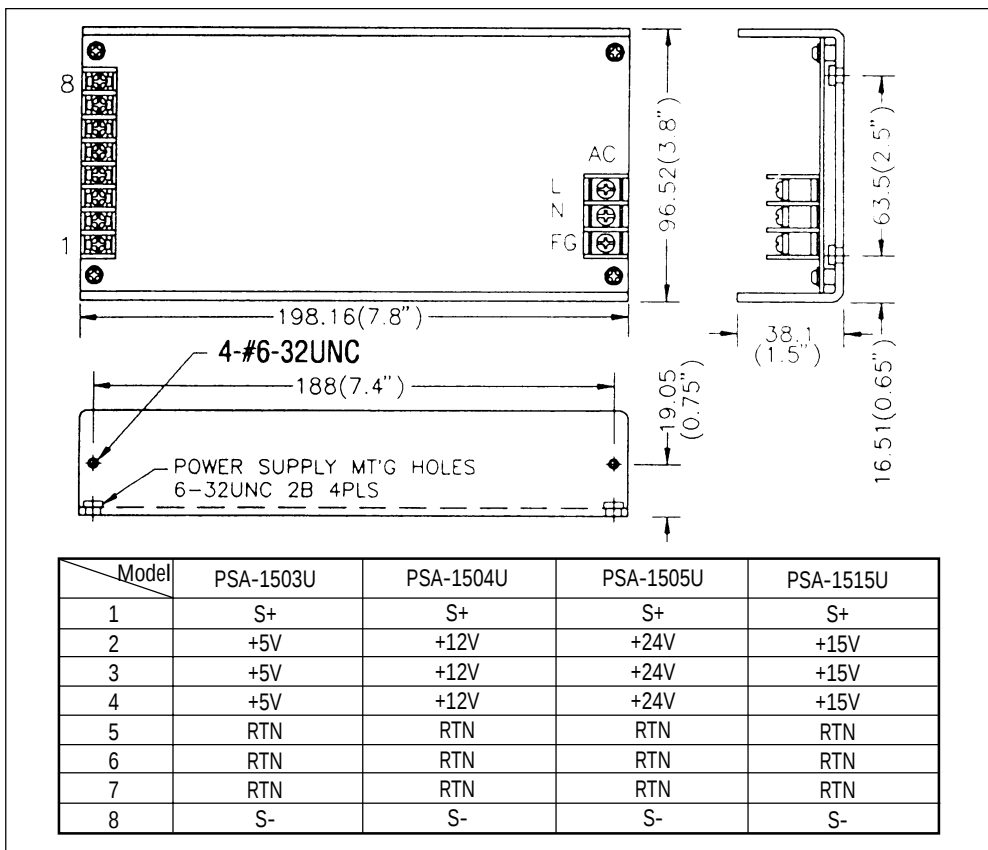
#### EMI Requirements

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

#### Mating Connectors

Screw terminals

### Dimension Diagram Unit: mm (inch)



1500U S/607

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