

## PTWA-188 SERIES

## 18W Multi-Plug Wall Mount Power Supply for I.T. Equipment



- Input Voltage 100 to 240 VAC, 50 to 60Hz
- Interchangeable AC Plug
- Constant Voltage or Constant Current Mode
- Single Output
- Class II Insulation (Double Insulation)
- EMI, FCC, CE, EMC&LVD, EN60950, UL60950, UL1310, J60950, AS/NZS60950, GB4943

1 Year Warranty

Approvals: UL US TUV GS JET FCC CE ENERGY STAR RoHS

### Single Output

| Product Number  | Output Voltage | Max. Output Current | Output Regulation | Maximum Output Power |
|-----------------|----------------|---------------------|-------------------|----------------------|
| PTWA-188-xxxxxx | 12 ~ 24 VDC    | 1.5 ~ 0.75 A        | ±5%               | 18W                  |

### Electrical Characteristics

| Parameter               | Test Conditions  | Min.  | Typ. | Max. | Unit |
|-------------------------|--|-------|------|------|------|
| Input Voltage           | Operating Voltage  | 100   |      | 240  | VAC  |
| Input Frequency         |  | 50    |      | 60   | Hz   |
| Output Power Range      |  | 0     |      | 18   | W    |
| Input Current (rms)     | I/P: 90 VAC  |       | 0.5  |      | A    |
| Input Current           | I/P: 264 VAC   |       | 0.25 |      | A    |
| Hold-up time            | Full load at 115 VAC   |       | 10   |      | ms   |
| Voltage Regulation      | At constant voltage mode   |       | ±5   |      | %    |
| Current Limit           | At constant current mode   |       | ±5   |      | %    |
| Efficiency              | Io=Full Load, 115 VAC (DC Conversion)  | 80    |      |      | %    |
| Temperature Coefficient | All output   | -0.05 |      | 0.05 | %/°C |
| Protection              | Over voltage protection (OVP), AC recycle;<br>Short circuit protection; Output short circuit protection (<0.03 ohm) Auto recovery    |       |      |      |      |
| Automatic Recovery      | Automatic recovery when removal of protect condition. Any protect condition shall cause no damage and no component fail. (<0.03 ohm) |       |      |      |      |

### Approvals and Compliance

| Parameter          | Test Conditions  |
|--------------------|--|
| EMI                | FCC Class B, CISPR22 Class B, EN55022 Class B, EMI, FCC, EMC&LVD |
| Safety Description | CE, EN60950, UL60950, UL1310, J60950, AS/NZS60950, GB4943        |

### Conditions

| Parameter                        | Test Conditions                        | Min.  | Typ. | Max. | Unit |
|----------------------------------|--|-------|------|------|------|
| Operating Temperature            | Ambient                                | 0     |      | 40   | °C   |
| Storage Temperature              | Ambient                                | -10   |      | 70   | °C   |
| MTBF (mean time between failure) | Full load and 25°C ambient temperature | 0.05M |      |      | Hour |

## Mechanical

| Parameter                | Specification            |
|--------------------------|--------------------------|
| Weight (without AC plug) | 150 g                    |
| Dimension                | L 74mm x W 29mm x H 50mm |

