

# Plug Top Power Adaptors

**POWER  
SOLVE**

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## PPT15 Series

### 15 Watt Switch Mode

### Universal AC Input

The PPT15 Series of AC-DC Power Adaptors offer user interchangeable AC input plugs to enable operation in many different countries simply by changing the clip on plug. Adaptors can be ordered with up to 4 interchangeable plugs to meet the power socket requirements of most countries.

#### Features

- Universal Input: 90 - 264Vac
- Continuous Short Circuit Protection
- Over Voltage Protection
- High Efficiency, 75% Typical
- Interchangeable AC plug
- Optional output connector



#### Specifications

##### INPUT

|                 |                            |
|-----------------|----------------------------|
| Voltage         | 90-264 VAC                 |
| Frequency       | 47-63 Hz                   |
| Input current   | 0.4A max                   |
| Inrush current  | 30A max. @ 264VAC          |
| Conducted EMI   | CISPR/FCC Class B          |
| Isolation       | Input to output = 4,242VDC |
| Leakage Current | 0.25mA max                 |

##### OUTPUT

|                          |                            |
|--------------------------|----------------------------|
| Holdup Time              | 10mS typ. @ 115VAC         |
| Short Circuit Protection | Continuous (Auto Recovery) |
| Over Voltage protection  | Yes                        |

##### ENVIRONMENTAL

|                       |                |
|-----------------------|----------------|
| Operating temperature | 0°C to 40°C    |
| Storage temperature   | -20°C to +85°C |

##### GENERAL

|            |                  |
|------------|------------------|
| Dimensions | 80.6x47.9x43.3mm |
| Weight     | 130 grams approx |

Typical at 25°C, nominal line and 75% load, unless otherwise specified

**Powersolve Electronics Ltd. Units 8A, Arnhem Road, Newbury, RG14 5RU. England**

**Tel: 01635 521858 Fax: 01635 523771 Email: [sales@powersolve.co.uk](mailto:sales@powersolve.co.uk)**

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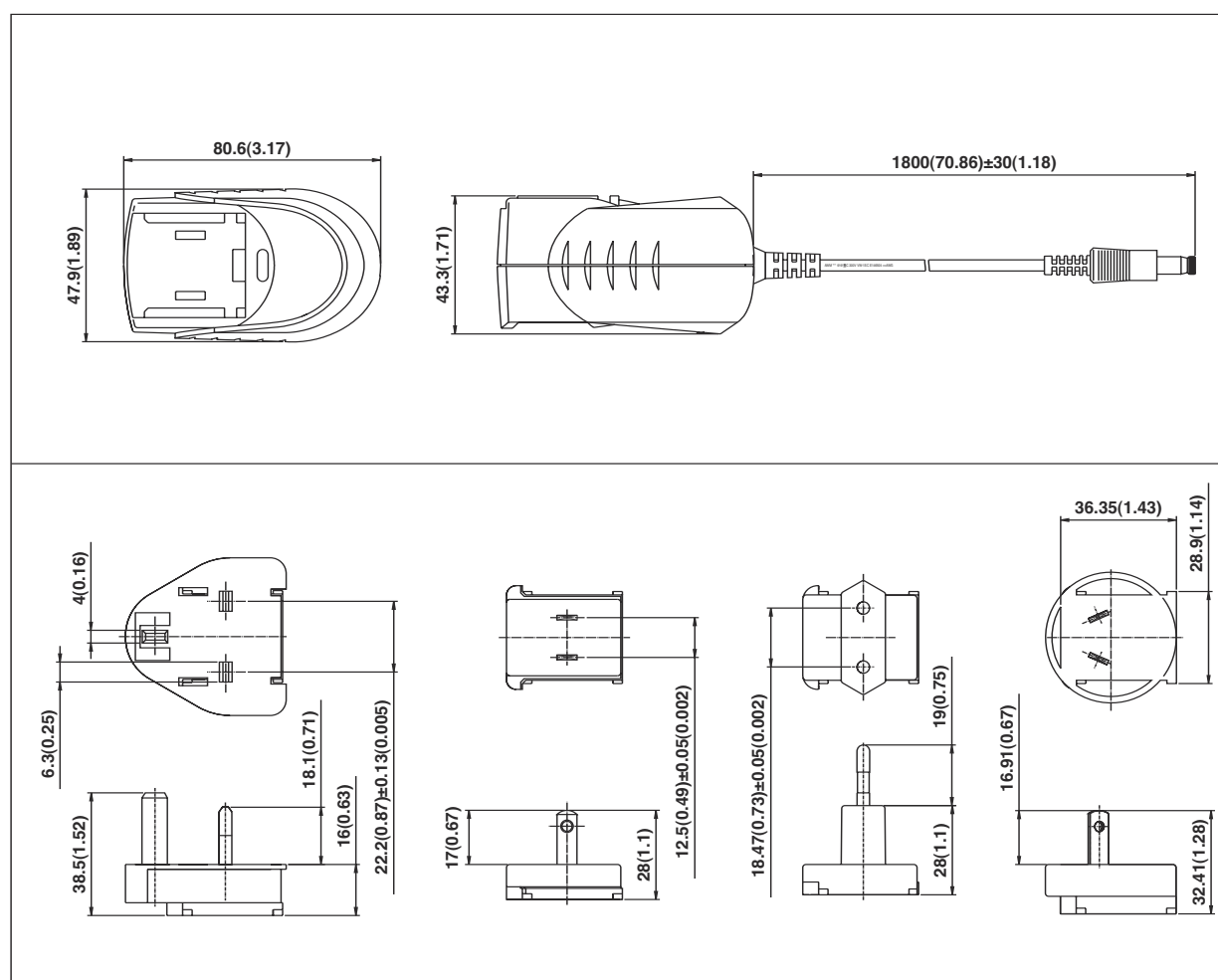
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| MODEL     | OUTPUT VOLTAGE | MAX LOAD | MIN LOAD | RIPPLE & NOISE | VOLTAGE<br>ACCURACY | LINE<br>REGULATION | LOAD<br>REGULATION |
|-----------|----------------|----------|----------|----------------|---------------------|--------------------|--------------------|
| PPT15-050 | 5V             | 2.0A     | 0A       | 50mV           | ±3%                 | ±1%                | ±4%                |
| PPT15-060 | 6V             | 1.7A     | 0A       | 1%             | ±2%                 | ±1%                | ±3%                |
| PPT15-090 | 9V             | 1.4A     | 0A       | 1%             | ±2%                 | ±1%                | ±2%                |
| PPT15-120 | 12V            | 1.1A     | 0A       | 1%             | ±2%                 | ±1%                | ±2%                |
| PPT15-150 | 15V            | 1.0A     | 0A       | 1%             | ±2%                 | ±1%                | ±2%                |
| PPT15-180 | 18V            | 830mA    | 0A       | 1%             | ±2%                 | ±1%                | ±2%                |
| PPT15-240 | 24V            | 625mA    | 0A       | 1%             | ±2%                 | ±1%                | ±2%                |

## Note:

1. Voltage setpoint at 60% load.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to full load and from 60% to 20% load (60% +/- 40% load)

UNIT: mm (Inches)



Stock items will be fitted with 5.5x2.5x9.5mm barrel connector, centre positive.

**Options:** Alternative output connectors are available - consult sales office for details.

In-line ferrite core on output cable - consult sales office for details.

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