FEATURES

- Single 5V to 48V Output Voltages
- Fixed and Interchangeable AC Plugs
- Level VI Energy Efficiency
- UL, cUL, CE, CB, PSE, CCC, RCM, LPS, SAA Approvals
- No Load Power Consumption < 0.075W
- Competitively Priced

INPUT SPECIFICATIONS

- Input Voltage Range ............. 90-264 VAC
- Input Frequency .................. 47-63 Hz
- Input Current ....................... 1A max.
- Inrush Current .............. 70A max. @ 230 VAC, cold start at 25°C, full load

OUTPUT SPECIFICATIONS

- Output Power Ratings ............. See models list
- No Load Power Cons. .......... 0.075W max.
- Line Regulation ................. ±1% max.
- Load Regulation .................. ±5% max.
- Ripple and Noise* ................ 1% peak to peak max. @ full load
- Over Voltage Protection ...... Set at 180% max.; Shut down
- Over Current Protection ...... Set at 170% max.; Shut down
- Short Circuit Protection ....... Shut down, Auto-recovery
- Temperature Coefficient .... ±0.04%/°C max.
- Transient Response ............... 0.5 ms @ 50% load change

GENERAL SPECIFICATIONS

- Efficiency ...................... 87% min. @ full load
- Hold-Up Time .................... 10ms @ full load
- Operating Temperature ........... 0°C to +40°C
- Storage Temperature .......... -20°C to +80°C
- Operating Humidity ............ 20 to 80% non-condensing
- Storage Humidity .............. 10 to 90% non-condensing
- Withstand Voltage .............. 3,000 VAC, input-output
- MTBF ................................ 300 Khrs minimum at full load,
- .................................. 25°C ambient, calculated per
- .................................. Telcordia SR-332

STANDARDS & COMPLIANCE

- EN 55022, FCC .................... Class B, conducted & radiated
- EN 61000-3-2 .................. Harmonic distortion, Class A & D
- EN 61000-3-3 .................. Line flicker
- EN 61000-4-2 ............... ESD, ±8 KV air and ±4 KV contact
- EN 61000-4-3 ............... Radiated immunity, 3V/m
- EN 61000-4-4 ............... Fast transient/burst, ±1 KV
- EN 61000-4-5 ............... Surge, ±1 KV diff., ±2 KV com.
- EN 61000-4-6 ............... Conducted immunity, 3 Vrms
- EN 61000-4-8 ............... Magnetic field immunity, 1A/m
- EN 61000-4-11 ............. Voltage dip immunity,
- .................................. 30% reduction for 500ms,
- .................................. 60% reduction for 100ms,
- .................................. >95% reduction for 10ms

MODELS LIST

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Maximum Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAW36-5-X</td>
<td>5V</td>
<td>5A</td>
<td>25W</td>
</tr>
<tr>
<td>TAW36-7.5-X</td>
<td>7.5V</td>
<td>4A</td>
<td>30W</td>
</tr>
<tr>
<td>TAW36-8.5-X</td>
<td>8.5V</td>
<td>3.52A</td>
<td>30W</td>
</tr>
<tr>
<td>TAW36-9-X</td>
<td>9V</td>
<td>3.34A</td>
<td>30W</td>
</tr>
<tr>
<td>TAW36-12-X</td>
<td>12V</td>
<td>3A</td>
<td>36W</td>
</tr>
<tr>
<td>TAW36-13.5-X</td>
<td>13.5V</td>
<td>2.66A</td>
<td>36W</td>
</tr>
<tr>
<td>TAW36-15-X</td>
<td>15V</td>
<td>2.4A</td>
<td>36W</td>
</tr>
<tr>
<td>TAW36-16-X</td>
<td>16V</td>
<td>2.25A</td>
<td>36W</td>
</tr>
<tr>
<td>TAW36-18-X</td>
<td>18V</td>
<td>2A</td>
<td>36W</td>
</tr>
<tr>
<td>TAW36-24-X</td>
<td>24V</td>
<td>1.5A</td>
<td>36W</td>
</tr>
<tr>
<td>TAW36-48-X</td>
<td>48V</td>
<td>0.75A</td>
<td>36W</td>
</tr>
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</table>

Note: X = AC plug code. See the below table for details.

<table>
<thead>
<tr>
<th>Code X</th>
<th>Fixed AC Plug</th>
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</thead>
<tbody>
<tr>
<td>U</td>
<td>US, Japan</td>
</tr>
<tr>
<td>E</td>
<td>EU</td>
</tr>
<tr>
<td>C</td>
<td>China</td>
</tr>
<tr>
<td>B</td>
<td>UK</td>
</tr>
<tr>
<td>A</td>
<td>Australia</td>
</tr>
<tr>
<td>I</td>
<td>Main body without Interchangeable AC plugs</td>
</tr>
</tbody>
</table>
TAW36 Series
36 Watts ITE Grade AC/DC Power Adapters

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Interchangeable AC Plugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAW-IPU</td>
<td>US, Japan</td>
</tr>
<tr>
<td>TAW-IPE</td>
<td>EU</td>
</tr>
<tr>
<td>TAW-IPB</td>
<td>UK</td>
</tr>
<tr>
<td>TAW-IPA</td>
<td>Australia</td>
</tr>
</tbody>
</table>

**MECHANICAL SPECIFICATIONS**

Main Body for Interchangeable Wall Plugs:

**Fixed US/Japan Wall Plug:**

**Fixed EU Wall Plug:**

**Fixed UK Wall Plug:**

**Fixed Australia Wall Plug:**

Notes:
1. Unit: mm.
2. Tolerance: 0.5mm maximum, unless otherwise stated.
3. Weight: 160g (0.35 lb) approx.
4. Standard output connector: 2.5 x 5.5 x 9.5mm barrel plug
5. Contact TRUMPower for output connector options.