FEATURES
- Single 3.3V to 24V DC Outputs
- Interchangeable and Fixed AC Plugs
- USB Socket on 5V Output Models
- Approved to IEC/EN/UL 60601-1 Edition 3.1
- DOE/GEMS Level VI & ErP Stage II Compliant
- Black (Standard) and White (Optional) Colors

INPUT SPECIFICATIONS
- Input Voltage Range .......... 90-264 VAC
- Input Frequency ..................... 47-63 Hz
- Input Current ........................... 0.32A rms @ 115 VAC, 0.19A rms @ 230 VAC
- Inrush Current ......................... 60A @ 240 VAC, at 25°C cold start
- Touch Current ......................... 100 µA max.
- No Load Input Power .......... 0.1W max.

OUTPUT SPECIFICATIONS
- Output Power Ratings ............ See table
- Line Regulation...................... ±1% max.
- Load Regulation ..................... ±5% max.
- Ripple and Noise...................... 1% peak to peak max.
- Over Voltage Protection ........ Shut down
- Short Circuit Protection .......... Shut down, Auto-recovery
- Over Current Protection .......... Shut down, Auto-recovery
- Temperature Coefficient ...... ±0.04%/°C max.
- Transient Response .............. 0.5 ms @ 50% load change

STANDARDS & COMPLIANCES
- EN 55011, CISPR 11, FCC ... Class B, conducted & radiated
- EN 61000-3-2 .................. Harmonic distortion, Class A
- EN 61000-4-3 .................. Radiated immunity, 10V/m
- EN 61000-4-4 ................. Fast transient/burst, ±2 KV
- EN 61000-4-5 ................. Surge, ±1 KV diff., ±2 KV com.
- EN 61000-4-6 ................. Conducted immunity, 6 Vrms
- EN 61000-4-8 ................. Magnetic field immunity, 30A/m
- EN 61000-4-11 ......... Voltage dip immunity, 30% reduction for 500ms, 60% reduction for 100ms, >95% reduction for 10ms

GENERAL SPECIFICATIONS
- Efficiency ...........................78% min. @ full load
- Hold-up Time .................. 10 ms @ 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 ........... 4,000 VAC, input-output
- MTBF .................. 300 KHzrs minimum at full load, 25°C ambient, calculated per Telecordia SR-332

MODELS LIST

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Output Voltage</th>
<th>Maximum Current</th>
<th>Maximum Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMW10-3.3-X</td>
<td>3.3V</td>
<td>2A</td>
<td>6.6W</td>
</tr>
<tr>
<td>TMW10-5-X</td>
<td>5V</td>
<td>2A</td>
<td>10W</td>
</tr>
<tr>
<td>TMW15-5-X</td>
<td>5V</td>
<td>3A</td>
<td>15W</td>
</tr>
<tr>
<td>TMW10-9-X</td>
<td>9V</td>
<td>1.2A</td>
<td>10.8W</td>
</tr>
<tr>
<td>TMW12-12-X</td>
<td>12V</td>
<td>1A</td>
<td>12W</td>
</tr>
<tr>
<td>TMW12-15-X</td>
<td>15V</td>
<td>0.8A</td>
<td>12W</td>
</tr>
<tr>
<td>TMW12-18-X</td>
<td>18V</td>
<td>0.67A</td>
<td>12W</td>
</tr>
<tr>
<td>TMW12-24-X</td>
<td>24V</td>
<td>0.5A</td>
<td>12W</td>
</tr>
</tbody>
</table>

Notes:
1. Specify the AC plug code when ordering, e.g. TMW10-5-U for 5V output with US AC plug, TMW12-12-I for 12V output "main body" for interchangeable plug, etc.
2. For interchangeable type, at least one interchangeable plug must be ordered together with the "main body" (X=I), e.g. TMW10-5-I for 5V output main body and TIPU for US type interchangeable plug, etc.
3. Add suffix "P" to order units with a built-in USB socket, e.g. TMW10-5-UP for 5V output with a fixed US plug and USB type A receptacle. The maximum current for USB type A connector is 2.4A.
4. Standard color is black. Add suffix "W" for white version, e.g. TMW10-5-UPW.
MECHANICAL SPECIFICATIONS

Interchangeable Plug

Fixed US Plug

Fixed US Plug with DC Output Cable

Notes:
1. Unit: mm
2. Weight: 112g (0.38 lbs) approx.
3. Color: Black (standard) or White (optional)
4. Standard output connector: Built-in USB Type A receptacle for 5V output, or 2.1x5.5x9.5mm barrel plug on the cable for other outputs.
5. Contact TRUMPower for output connector options.