TDM65 Series
60-65 Watts Medical & ITE Grade AC/DC Power Adapters

FEATURES
- IEC 320/C6, C8, C14, C18 AC Inlets
- 12V to 48V Output Voltages
- LED Power Indicator
- 2 X MOPP
- Medical & ITE Dual Approvals
- UL, cUL, TUV, PSE, CB & CE Approved
- CEC, DoE Level VI & ErP Stage 2 Compliant
- Competitively Priced

INPUT SPECIFICATIONS
Input Voltage Range .............. 90-264 VAC
Input Frequency ................. 47-63 Hz
Input Current ...................... 1.6A rms @ 115 VAC
........................................ 0.7A rms @ 230 VAC
Inrush Current ..................... 80A @ 230 VAC, at 25°C cold start
Touch Current ..................... 100 µA max. @ 240 VAC
Earth Leakage Current .......... 300 µA max. @ 240 VAC (Class I)

OUTPUT SPECIFICATIONS
Output Power Ratings ............. See table
No Load Power Cons. .............. 0.15W max.
Line Regulation .................... ±1% max.
Load Regulation ..................... ±5% max.
Ripple and Noise* ................. 1% peak to peak max.
Overvoltage Protection ........... Set at 150% of its nominal output voltage; Shutdown
Short Circuit Protection ........... Shutdown; Auto recovery
Overcurrent Protection ............ Set at 170% of its nominal input voltage; Shutdown
Temperature Coefficient ........ ±0.04%/°C max.
Transient Response .............. 0.5 ms @ 50% load change

GENERAL SPECIFICATIONS
Power Factor ........................ 0.9 typical
Efficiency .......................... 87% 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 (2 MOPP)
........................................ 1,500 VAC, input-ground (1 MOPP)
MTBF ................................ 300 kHrs minimum at full load,
........................................ 25°C ambient, calculated per
........................................ Telecordia SR-332

MODELS LIST

<table>
<thead>
<tr>
<th>Product No. (1)</th>
<th>Output Voltage</th>
<th>Maximum Current</th>
<th>Maximum Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDM65-12</td>
<td>12V</td>
<td>5A</td>
<td>60W</td>
</tr>
<tr>
<td>TDM65-15</td>
<td>15V</td>
<td>4.34A</td>
<td>65W</td>
</tr>
<tr>
<td>TDM65-18</td>
<td>18V</td>
<td>3.62A</td>
<td>65W</td>
</tr>
<tr>
<td>TDM65-19</td>
<td>19V</td>
<td>3.43A</td>
<td>65W</td>
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<tr>
<td>TDM65-24</td>
<td>24V</td>
<td>2.71A</td>
<td>65W</td>
</tr>
<tr>
<td>TDM65-30</td>
<td>30V</td>
<td>2.17A</td>
<td>65W</td>
</tr>
<tr>
<td>TDM65-36</td>
<td>36V</td>
<td>1.81A</td>
<td>65W</td>
</tr>
<tr>
<td>TDM65-48</td>
<td>48V</td>
<td>1.36A</td>
<td>65W</td>
</tr>
</tbody>
</table>

Note: 1) Add suffix "-4" for models furnished with IEC 320/C14 AC inlet, "-6" for C6 inlet,
"-8" for C8 inlet, "-18" for C18 inlet, e.g. TDM65-12-4, TDM65-12-6, TDM65-19-6,
TDM65-24-18 etc.

STANDARDS & COMPLIANCE
IEC 60601-1-2:2014 ............ EMC & Immunity Performance
EN 55011, CISPR 11, FCC ... Class B, conducted & radiated
EN 61000-3-2 ...................... Harmonic distortion, Class A
EN 61000-3-3 ...................... Line fluctuations & flicker
EN 61000-4-2 ...................... ESD, ±15 KV air and ±8 KV contact
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
Safety Standards ............... IEC/EN/UL 60601-1 (Edition 3.1)
........................................ ANSI/AAMI ES 60601-1 (2012),
........................................ CSA C22.2 No. 60601-1 (2014),
........................................ IEC/EN 60950-1 (2nd Edition)
Agency Approvals .............. UL, cUL, TUV, PSE, CE, CB
Other Compliance .............. RoHS, DOE/GEMS VI, ErP Stage 2

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MECHANICAL SPECIFICATIONS

Notes:
1. Unit: mm
2. Tolerance: 0.5mm maximum, unless otherwise stated
3. Weight: 310g (0.69 lbs) approx.
4. Standard output connector: 2.1x5.5x9.5mm barrel plug
5. Contact TRUMPower for output connector options.