FEATURES
- Fanless 300W Output Power
- Energy Efficiency Level VI
- 0.9 Active Power Factor
- No Load Power Consumption < 0.5W
- Medical & ITE Dual Approvals

ELECTRICAL SPECIFICATIONS
- Input Voltage Range: 90-264 VAC
- Input Frequency: 47-63 Hz
- Input Current: 3.2A rms max. @ 115 VAC, 2.2A rms max. @ 230 VAC
- Inrush Current: 80A @ 115 VAC or 130A @ 230 VAC, at 25°C cold start
- Earth Leakage Current: 250 µA max. @ 264 VAC (Class I)
- Touch Current: 100 µA max. @ 264 VAC
- Power Factor: 0.9 min. @ full load, 115/230 VAC
- No Load Consumption: 0.5W max.
- Voltage Regulation: ±5%
- Ripple and Noise: See table

GENERAL SPECIFICATIONS
- Efficiency: 88% min. @ avg. load, 115/230 VAC
- Hold-up Time: 10 ms min. @ full load, 115 VAC
- Switching Frequency: 82-96 kHz
- Operating Temperature: 0°C to +60°C
- Storage Temperature: -20°C to +85°C
- Relative Humidity: 0% to 90% non-condensing
- Derating: Derate from 100% at +40°C linearly to 50% at +60°C
- Short Circuit Protection: Auto recovery
- Over Voltage Protection: Auto recovery
- Over Load Protection: Set at 105-150% of its nominal output voltage; Auto recovery
- Withstand Voltage: 5,656 VDC from input to output, 2,121 VDC from input to ground
- MTBF: 220 Khrs minimum at full load, 25°C ambient, calculated per Bellcore TR-332

STANDARDS & COMPLIANCES
- EMC Standards: EN60601-1-2, EN55011, EN55022, EN55024, FCC Parts 15 & 18 Class B
- Agency Approvals: UL, cUL, TUV, CB, CE
- Other Compliances: RoHS, DOE Level VI

MODELS LIST

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<tbody>
<tr>
<td>TMA300-12</td>
<td>12V</td>
<td>25A</td>
<td>240mV</td>
<td>300W</td>
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<tr>
<td>TMA300-19</td>
<td>19V</td>
<td>15.79A</td>
<td>300mV</td>
<td>300W</td>
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<tr>
<td>TMA300-24</td>
<td>24V</td>
<td>12.5A</td>
<td>300mV</td>
<td>300W</td>
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<tr>
<td>TMA300-28</td>
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<td>10.71A</td>
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<td>300W</td>
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<td>6.25A</td>
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<td>300W</td>
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<td>TMA300-54</td>
<td>54V</td>
<td>5.56A</td>
<td>300mV</td>
<td>300W</td>
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Notes:
1. The listed P/N’s are for Class I models equipped with IEC 320/C14 AC inlet. Add suffix “-C2” to order Class II models equipped with IEC 320/C18 AC inlet, e.g. use P/N TMA300-24-C2 to order 24V Class II model.
2. Peak-to-peak with 20MHz bandwidth with a tantalum 10µF in parallel with 0.1µF ceramic capacitor.

MECHANICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>DC OUTPUT CONNECTOR</th>
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<tbody>
<tr>
<td>PIN</td>
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<tr>
<td>FUNCTION</td>
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</tbody>
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Notes:
1. Unit: mm
2. Weight: 1.57 kgs. (3.46 lbs. approx.)
3. Output Connector: Molex Mini-Fit Jr. P/N 39-01-2100 (10-pin connector, 4.2mm pitch) or equivalent
4. Mating Connector: Molex P/N 39-28-1123 or equivalent
5. Contact TRUMPower for other output connector options.