FEATURES
- 85-264 VAC Universal Input
- Class I with IEC 320/C14 AC Inlet
- Meets IP43 Solid Particle/Liquid Ingress Standards
- Operation Altitude up to 5,000 Meters
- Low Earth Leakage Current
- Meets DoE Level VI & ErP Tier 2 Efficiency Standards

MODELS LIST

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<tbody>
<tr>
<td>TM30D-05</td>
<td>5V</td>
<td>0A</td>
<td>5.0A</td>
<td>±5%</td>
<td>100mV</td>
<td>82%</td>
<td>25W</td>
</tr>
<tr>
<td>TM30D-12</td>
<td>12V</td>
<td>0A</td>
<td>2.5A</td>
<td>±5%</td>
<td>120mV</td>
<td>87%</td>
<td>30W</td>
</tr>
<tr>
<td>TM30D-15</td>
<td>15V</td>
<td>0A</td>
<td>2.0A</td>
<td>±5%</td>
<td>150mV</td>
<td>87%</td>
<td>30W</td>
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<tr>
<td>TM30D-18</td>
<td>18V</td>
<td>0A</td>
<td>1.66A</td>
<td>±5%</td>
<td>180mV</td>
<td>87%</td>
<td>30W</td>
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* Measured at rated line voltage and output load ranges, 20 MHz BW, with a 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor across the output.

INPUT SPECIFICATIONS
- Input Voltage Range ..........85-264 VAC
- Input Frequency ................47-63Hz
- Input Current ........................0.8A (rms) @ 115 VAC
- Inrush Current ....................40A @ 115 VAC or 100A @ 230 VAC

OUTPUT SPECIFICATIONS
- Output Power Ratings ..........See table
- Ripple & Noise .................See table
- Over Voltage Protection ..........Set at 140% max.; Latch off
- Short Circuit Protection ........Set at 150% max.; Auto recovery
- Over Current Protection ........Protected to short-circuit conditions
- Temperature Coefficient ..........±0.04%/°C max.
- Transient Response ..............Max. excursion of 4% or better on all models, recovering to 1% of final value within 500 µs after a 25% step load change

GENERAL SPECIFICATIONS
- Efficiency .........................See table
- Hold-up Time ......................12 ms min. @ 115 VAC
- Turn-on Delay Time .............0.1 sec. max. @ 115/230 VAC
- No Load Power Cons .............<0.1W
- Line Regulation ..................±0.5% max. @ full load
- Operation Altitude ..............5,000 meters
- Operating Temperature ..........0°C to +60°C
- Derating .........................Derate from 100% at +40°C linearly to 50% at +60°C
- Storage Temperature ............-20°C to +85°C
- Relative Humidity ..............10% to 90% non-condensing
- Withstand Voltage ..............4,000 VAC, input to output (2 MOPP)
- 1,500 VAC, input to ground
- 500 VAC, output to ground
- 300K hours min. at full load, 25°C ambient, calculated per MIL-HDBK-217F
- MTBF ..............................300K hours min. at full load, 25°C ambient, calculated per MIL-HDBK-217F
- Agency Approvals ..............UL, cUL, TUV, CB, CE
- Other Compliance ..............RoHS, DoE Level VI, ErP Tier 2
MECHANICAL SPECIFICATIONS

NOTES:
1. Dimensions: mm
2. Tolerance: 0.5 maximum unless otherwise stated
3. Weight: 180 grams (0.40 lbs.) approx.
4. Output cable: 1,000mm, 16 AWG for 5V output model; 1,500mm, 18 AWG for 12-18V output models.
5. Standard output connector: 2.5 x 5.5 x 11.5 mm C+ barrel plug. Contact TRUMPower for other connector options.