**TRG30R V SERIES**

**30W SWITCHING ADAPTER**

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**Features**

- Universal Input Range 90~264VAC
- Interchangeable AC Plugs
- Meets EN61204-3 Class B and CISPR/FCC Class B
- Continuous Short Circuit Protection
- Over Voltage Protection
- Meet CoC Tier 2 & DoE Level VI (Output Cable Length ≤ 1800mm)
- No Load Power Consumption<75mW

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**Ordering information**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>DC Plug Type</th>
<th>DC Cable Length Type</th>
<th>Color of Overmold Case</th>
<th>E</th>
<th>XX</th>
<th>-</th>
<th>XX</th>
<th>-BK</th>
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</thead>
<tbody>
<tr>
<td>TRG30RXXXV</td>
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<tr>
<td></td>
<td></td>
<td>01: 720mm</td>
<td>EE: Blue</td>
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<tr>
<td></td>
<td></td>
<td>02: 1220mm</td>
<td>GY: Gray</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>03: 1800mm</td>
<td>RD: Red</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>11: 720mm with Ferrite Core</td>
<td>PE: Purple</td>
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<td>12: 1220mm with Ferrite Core</td>
<td>OE: Orange</td>
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<td></td>
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<td>13: 1800mm with Ferrite Core</td>
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</tbody>
</table>

* 18AWG / UL1185
* 18AWG / UL1185 for Vo: 5V, 9V

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### MODEL

<table>
<thead>
<tr>
<th>MODEL</th>
<th>OUTPUT VOLTAGE</th>
<th>OUTPUT CURRENT</th>
<th>RIPPLE &amp; NOISE NOTE 1</th>
<th>VOLTAGE ACCURACY NOTE 2</th>
<th>LINE REGULATION NOTE 3</th>
<th>LOAD REGULATION NOTE 4</th>
<th>%EFF (Typ.) NOTE 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRG30R050V</td>
<td>5V</td>
<td>4.0A</td>
<td>50mVp-p</td>
<td>±2%</td>
<td>±1%</td>
<td>±6%</td>
<td>83.69%</td>
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<tr>
<td>TRG30R090V</td>
<td>9V</td>
<td>3.0A</td>
<td>90mVp-p</td>
<td>±2%</td>
<td>±1%</td>
<td>±3%</td>
<td>87.30%</td>
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<td>TRG30R120V</td>
<td>12V</td>
<td>2.5A</td>
<td>100mVp-p</td>
<td>±2%</td>
<td>±1%</td>
<td>±2%</td>
<td>87.70%</td>
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<tr>
<td>TRG30R150V</td>
<td>15V</td>
<td>2.0A</td>
<td>100mVp-p</td>
<td>±2%</td>
<td>±1%</td>
<td>±2%</td>
<td>87.70%</td>
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<td>TRG30R180V</td>
<td>18V</td>
<td>1.67A</td>
<td>100mVp-p</td>
<td>±2%</td>
<td>±1%</td>
<td>±2%</td>
<td>87.70%</td>
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<tr>
<td>TRG30R240V</td>
<td>24V</td>
<td>1.25A</td>
<td>100mVp-p</td>
<td>±2%</td>
<td>±1%</td>
<td>±2%</td>
<td>87.70%</td>
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</tbody>
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Specifications are subject to change without notice.
Specifications

**INPUT SPECIFICATIONS:**
- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input Current: 0.8A max.
- Inrush Current (Cold start @ 25°C): 100A max @ 240Vac
- Leakage Current: 0.25mA max.

**OUTPUT SPECIFICATIONS:**
- Hold-up Time: 10ms typ. @ 115Vac
- Short Circuit Protection: Hiccup Mode (Auto Recovery)
- Over Voltage Protection: Latch

**GENERAL SPECIFICATIONS:**
- Isolation: Input to output (4,242VDC)
- Operating Temperature: -20 ~ 60°C (see Drating Curve)
- Humidity: 93% RH max. Non condensing
- Cooling: Natural Convection
- Dimensions: 4.243x2.267x1.319 inches (107.77x57.60x33.50mm)
- Weight: 300g (0.66 Pounds)

**SAFETY AND EMC:**
- Emission and Immunity: EN61204-3, EN61000-3-2, EN61000-3-3
- Safety: Class II, IEC60950-1, UL60950-1, EN60950-1

**Mechanical Specification**

All Dimensions are in inches(mm)
- Tolerance: Inches: ±0.02
- Millimeters: ±0.5

**TRG30R-V Series Derating Curve**

**NOTE:**
1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage setpoint at 60% full load.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to full load and from 60% to 20% load (60% +/- 40% load).
5. Average Efficiency measured at 25%, 50%, 75%, 100% load and input voltage is 115Vac / 230Vac.

Typical at 25°C, nominal line and 75% load, unless otherwise Specified