FEATURES
- 90–264 VAC Universal Input
- 0.9 Active Power Factor
- 40mm Cooling Fan with Fan Speed Control
- No Load Power Consumption of 500mW Maximum

ELECTRICAL SPECIFICATIONS

- Input Voltage: 90–264 VAC
- Input Frequency: 47–63 Hz
- Input Current: 3.5A (rms) @ 90 VAC, 1.5A (rms) max. @ 264 VAC
- Power Factor: 0.9 min. at full load, 115/230 VAC
- Maximum Output Power: 250W
- Output Voltage, 12V–48V: CEC & Energy Star Level V
- Voltage Regulation: ±5%
- Ripple and Noise: See table

GENERAL SPECIFICATIONS

- Efficiency: 87% min. at avg. load, 115/230 VAC
- Switching Frequency: 60–65 Khz
- Hold-up Time: 16ms min. typical at full load, 115 VAC nominal line
- Operating Temperature: -20°C to +40°C
- Storage Temperature: -20°C to +85°C
- Operating Humidity: 10% to 90%
- Short-Circuit Protection: Auto-recovery
- Over-Load Protection: Auto-recovery
- Over-Voltage Protection: Latch, AC recycle
- MTBF: 140K hrs minimum at full load and 25°C ambient, calculated per MIL-HDBK-217F

MODELS LIST

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<tr>
<td>TWA250-12</td>
<td>12V</td>
<td>20.83A</td>
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<td>250W</td>
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<td>TWA250-16</td>
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<td>15.63A</td>
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</table>

* Peak-to-peak with 20MHz bandwidth with a tantalum 10µF in parallel with 0.1µF ceramic capacitor.

STANDARDS & COMPLIANCE

- EMC Standards: EN55022, FCC, CISPR22, Class B
- Safety Standards: UL60950-1, CSA 22.2 No. 60950-1, IEC60950-1
- Agency Approvals: UL, cUL, TUV, CB, CE
- Other Standards: CEC, Energy Star Level V, RoHS

MECHANICAL SPECIFICATIONS

Notes
1. Dimensions: mm
2. AC Inlet: IEC320/C14 standard
3. Standard Output Connector: APP connector (D706C) or local Mini-fit 6P connector (D731A).
4. Standard Output Cable: AWM 2464 #16AWG/6C + Shielding, UL 80°C 300V VW-1, 1000±30mm min. for 16V–48V output; 800±30mm for 12V output.
5. Weight: 1060 grams