FEATURES

- Meet IEC 62368-1 & IEC 60950-1
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- High Reliability
- EMC Standard: EN55032/ EN55024 Class B
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

DESCRIPTION

This product is an 30~40 watts AC to DC adapter intended for use in IPC systems, embedded systems, IPC Systems, Embedded Systems, Printers, Monitors and POS Systems, etc. that have a high wattage demands. This adapter operates at 90 to 264 VAC input voltage. The unit meets CISPR32 EN55032 CLASS B, EN55024 and FCC PART 15B Class B emission limits, and is designed for ITE application.

INPUT SPECIFICATIONS

- Input voltage: 90-264 VAC
- Input frequency: 47-63 Hz
- No load power consumption: 115Vac, 230Vac ≤ 0.075W
- Touch current: 264Vac / 50Hz ≤ 0.25mA

OUTPUT SPECIFICATIONS

- Over voltage: The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused by internal fault, the output trip voltage shall not exceed 18 volts. That will be return to normal state by AC reset
- Short circuit & Over current: When an internal fault occurs, or an external fault is applied to the output, the power supply shall shut down and enter auto-recovery mode.
- Over temperature: The power supply will enter into shut down while the abnormal thermal rise occurs. That will be return to normal state by AC reset
- Brown-out: Shutdown and no damage

INPUT SPECIFICATIONS

- Power factor: N/A
- Efficiency: See rating chart.
- Power turn-on time: At 100Vac / full load, output voltage shall remain regulation ≤ 35sec
- Hold-up time: At 100Vac or 240Vac / full load, output voltage shall remain regulation ≥ 10ms
- Inrush current: 100Vac, 240Vac / full load, Shall be less than the rating of adapter critical component (including rectifiers, fuse surge and current limiting device)
- Operating altitude: 5000 meters above sea level
- Withstand voltage: Between AC input and secondary applied DC 4242V, test time 1 minute, cut off current shall be less than 10mA
- MTBF: 100Vac, 240Vac / full load, 300,000 hours at 25℃, standard SR332
- EMC Performance: Class B conducted, class B radiated
- EN61000-3-2
- EN61000-3-3
- EN61000-4-2
- EN61000-4-3
- EN61000-4-4
- EN61000-4-5
- EN61000-4-6
- EN61000-4-8
- EN61000-4-11
- Power de-rating: See rating chart.

SAFETY STANDARD APPROVAL

Tested to Comply With FCC Standards FOR HOME OR OFFICE USE

FSP0XX-DHAN3 Series

SAFETY STANDARD APPROVAL

Tested to Comply With FCC Standards FOR HOME OR OFFICE USE

FSP0XX-DHAN3

TECHNICAL DATASHEET

30W~40W 12V Adapter

FSP0XX-DHAN3

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OUTPUT VOLTAGE/CURRENT RATING CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>AC Inlet</th>
<th>Efficiency DOE(Level VI)</th>
<th>Efficiency CoC V5 (Tier 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSP030-DHAN3</td>
<td>12V</td>
<td>2.5A</td>
<td>C14</td>
<td>≥86.94%</td>
<td>≥87.70%</td>
</tr>
<tr>
<td>FSP036-DHAN3</td>
<td>12V</td>
<td>3.0A</td>
<td>C14</td>
<td>≥87.40%</td>
<td>≥88.30%</td>
</tr>
<tr>
<td>FSP040-DHAN3</td>
<td>12V</td>
<td>3.33A</td>
<td>C14</td>
<td>≥87.59%</td>
<td>≥88.59%</td>
</tr>
</tbody>
</table>
MECHANICAL SPECIFICATIONS

- Dimensions:
  - Width: 1500.0±20.0
  - Height: 110.0±0.3
  - Depth: 32.0MAX

- Wire Specifications:
  - Wire: #24AWG
  - Color: Black

CONNECTOR SPECIFICATIONS

- Connector Dimensions:
  - Width: 97.0±30.0
  - Height: 50.0±30.0

- Cable Tie Wire:
  - PET Plated