60 Watt Universal 2-Wire Input Adapter
PSAA60W Power Supply Meets EISA & Ecodesign Requirements

Features
- Low Cost
- Efficiency Level V Compliance\(^{(1)}\)
- Class B EMI
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant\(^{(1)}\)
- Non-vented/Spill-proof Case
- No Load Power consumption <0.5W
- Low Profile Design
- EISA Compliant

Applications
- Portable Equipment
- Networking
- Peripherals
- Gaming Machines

Safety Approvals
- cUL/UL
- TUV
- CE

Mechanical Characteristics
- Length: 130mm (5.12in)
- Width: 60mm (2.36in)
- Height: 32mm (1.30in)
- Weight: 300g (10.58oz)

Output Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>DC Output Voltage</th>
<th>Load</th>
<th>Ripple (^{(2)})</th>
<th>Regulation Line &amp; Load</th>
<th>Efficiency Level (^{(3)})</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSAA60W-120</td>
<td>+12V</td>
<td>0A</td>
<td>5.0A</td>
<td>120mV</td>
<td>±5% IV</td>
</tr>
<tr>
<td>PSAA60W-150</td>
<td>+15V</td>
<td>0A</td>
<td>4.0A</td>
<td>150mV</td>
<td>±5% V</td>
</tr>
<tr>
<td>PSAA60W-180</td>
<td>+18V</td>
<td>0A</td>
<td>3.3A</td>
<td>180mV</td>
<td>±5% V</td>
</tr>
<tr>
<td>PSAA60W-240</td>
<td>+24V</td>
<td>0A</td>
<td>2.5A</td>
<td>240mV</td>
<td>±5% V</td>
</tr>
<tr>
<td>PSAA60W-480</td>
<td>+48V</td>
<td>0A</td>
<td>1.25A</td>
<td>480mV</td>
<td>±5% V</td>
</tr>
</tbody>
</table>

\(^{(1)}\) Excludes 12V model which remains Level IV. Products not meeting requirements for Ecodesign Directive may not longer be shipped to the European Union for commercial or consumer purposes.

\(^{(2)}\) Measured after 10 minutes warm up at 25°C with 12-inch twisted pair terminated with a 10uF capacitor and 0.1uF ceramic in parallel.

\(^{(3)}\) 15V-48V models may be marked as Level IV despite Level V compliance. If Level V marking is required, please contact Phihong directly to ensure stock is marked accordingly.

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at www.phihong.com for the most up-to-date specifications and contact information.

Revision 1/31/2012
PSAA60W Characteristics

Input:
AC Input Voltage Rating
100 to 240V AC

AC Input Frequency
47 to 63Hz

Input Current
1.6A at 100V AC
0.7A at 240V AC

Leakage Current
0.25mA maximum at 254V AC and 60Hz

Inrush Current
90A maximum at 100V AC
150A maximum at 240V AC

Input Power Saving
<0.5W at no load

Output:
Output Power
60W

Efficiency
Meets Level V efficiency requirements

Environmental:
Temperature
Operation 0 to +40°C
Non-operation -20 to +80°C
Humidity 10 to 90%

Emissions
FCC Class B
EN55022 Class B
VCCI Class B

Immunity
IEC61000-4-2
IEC61000-4-3
IEC61000-4-4
IEC61000-4-5
IEC61000-4-6
IEC61000-4-11
EN61000-3-2

Over-Voltage Protection
Circuit will latch then auto-restart.

Over-Current Protection
Circuit will latch

Short-Circuit Protection
Output can be shorted permanently without damage

Isolation
Primary to Secondary: 500V DC >100M OHM

Dielectric Withstand (Hi-pot) Test
Primary to Secondary: 3000V AC for 1 min., 10mA

DC Output Connector
2.1 x 5.5 x 9.5mm Center Positive Barrel
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

**Phihong:**

PSAA60W-240-R  PSAA60W-180-R  PSAA60W-150-R  PSAA60W-120-R  PSAA60W-480-R