24 Watt Desktop Switching Power Adapters

- Universal 85-265VAC Input
- IEC-320-C14 Input Receptacle
- Single Outputs from 5 to 36VDC
- 3000V Isolation
- Splash Proof Case

4.2” x 2.6” x 1.2”

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Output Watts</th>
<th>Output Voltage</th>
<th>Output Amps</th>
<th>Total Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPU24-102</td>
<td>15</td>
<td>5V</td>
<td>3A</td>
<td>5%</td>
</tr>
<tr>
<td>SPU24-103</td>
<td>20</td>
<td>6V</td>
<td>3.33</td>
<td>5%</td>
</tr>
<tr>
<td>SPU24-104</td>
<td>22</td>
<td>10V</td>
<td>2.2A</td>
<td>5%</td>
</tr>
<tr>
<td>SPU24-105</td>
<td>24</td>
<td>12V</td>
<td>2A</td>
<td>5%</td>
</tr>
<tr>
<td>SPU24-106</td>
<td>24</td>
<td>15V</td>
<td>1.6A</td>
<td>5%</td>
</tr>
<tr>
<td>SPU24-107</td>
<td>24</td>
<td>18V</td>
<td>1.33A</td>
<td>5%</td>
</tr>
<tr>
<td>SPU24-108</td>
<td>24</td>
<td>24V</td>
<td>1A</td>
<td>3%</td>
</tr>
<tr>
<td>SPU24-109</td>
<td>24</td>
<td>30V</td>
<td>0.8A</td>
<td>3%</td>
</tr>
<tr>
<td>SPU24-110</td>
<td>24</td>
<td>36V</td>
<td>0.66A</td>
<td>3%</td>
</tr>
</tbody>
</table>

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Order On-Line!

300 Myles Standish Blvd., Taunton, MA 02780
Ph: 1-800-823-8082     Fax: 508-823-8181
24 Watt Desktop Switching Power Adapters

**INPUT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage Range</td>
<td>90-264 VAC (Universal)</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>47-63 Hz</td>
</tr>
<tr>
<td>Input Current Low Line</td>
<td>0.7A</td>
</tr>
<tr>
<td>Input Current High Line</td>
<td>0.46A</td>
</tr>
<tr>
<td>Inrush Current Low Line</td>
<td>15A max.</td>
</tr>
<tr>
<td>Inrush Current High Line</td>
<td>30A max.</td>
</tr>
<tr>
<td>Leakage Current</td>
<td>0.75mA MAX.</td>
</tr>
<tr>
<td></td>
<td>@ 240 VAC, FL</td>
</tr>
</tbody>
</table>

**OUTPUT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage and Current</td>
<td>See Selection Charts</td>
</tr>
<tr>
<td>Output Power Range</td>
<td>0 to FL Rating</td>
</tr>
<tr>
<td>Load Regulation 230Vin</td>
<td>+/- 5%, max.</td>
</tr>
<tr>
<td>Line Regulation</td>
<td>+/- 1%, max.</td>
</tr>
<tr>
<td>Transient Response</td>
<td>100Vin, FL to 1/2L 4mS</td>
</tr>
<tr>
<td>Temperature Coefficient</td>
<td>+/-0.04%/°C, typ</td>
</tr>
<tr>
<td>Ripple/Noise</td>
<td>FL, 90Vin 1% Pk-Pk, max.</td>
</tr>
<tr>
<td>Short Circuit Protection</td>
<td>Continuous, self-recovering*</td>
</tr>
<tr>
<td>Start Up / Hold Up Time</td>
<td>100Vin, FL 2S max. / 12mS min.</td>
</tr>
</tbody>
</table>

**GENERAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input-Out Isolation</td>
<td>3000 VAC</td>
</tr>
<tr>
<td>Input-Ground Isolation</td>
<td>1500VAC</td>
</tr>
<tr>
<td>Isolation Resistance</td>
<td>50 Mohm min.</td>
</tr>
<tr>
<td>Efficiency (FL, 230Vin)</td>
<td>75%, typ</td>
</tr>
<tr>
<td>Safety</td>
<td>(c)UL1950</td>
</tr>
</tbody>
</table>

**PHYSICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>4.2” x 2.6” x 1.2”</td>
</tr>
<tr>
<td>Construction</td>
<td>Desktop Style</td>
</tr>
<tr>
<td>Weight</td>
<td>7.6oz (215g)</td>
</tr>
</tbody>
</table>

**ENVIRONMENTAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oper. Temperature</td>
<td>0 to +40°C (FL) *</td>
</tr>
<tr>
<td></td>
<td>50% Load @ 70°C (See Derate Curve)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85°C *</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>5% to 95%, non-cond *</td>
</tr>
<tr>
<td>EMC</td>
<td>110Vin: FCC Part 15 Class B</td>
</tr>
<tr>
<td></td>
<td>220Vin: CISPR-22 Class B</td>
</tr>
<tr>
<td>MTBF</td>
<td>100,000 Hrs</td>
</tr>
</tbody>
</table>

**DERATE CURVE**

*All specifications are typical at nominal input, full load, and 25DegC unless otherwise noted*

*These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.*
DC OUTPUT CONNECTIONS

Coaxial Plug
5.5mm outer diameter
2.1mm inner diameter, female
11mm length, center “+”

Output Cord Length 60” typ.

MECHANICAL DIMENSIONS