



- IEC 60601-1-2 4<sup>th</sup> Edition Compliant
- Class I and Class II Versions
- BF Rated Class II Version
- Meets Efficiency Level VI Requirements
- <210mW No Load Power Consumption
- LED on Indicator
- Overload Protection
- Short Circuit Protection
- 100% Burn-In/Hi-Pot Testing
- IPX1 Enclosure

### Electrical Specifications

<p><b>Input</b></p> <p><b>Input Voltage</b> 90-264VAC  <b>Input Frequency</b> 47-63 Hz  <b>Input Current</b> 2.0A max at 115VAC  <b>Inrush Current</b> 1A max at 230VAC                  &lt;100A at 240VAC, cold start, 25°C</p>	<p><b>Environmental &amp; Operating</b></p> <p><b>Operating Temperature</b> 0°C to 40°C full load  <b>Storage Temperature</b> -20°C to +85°C  <b>Humidity</b> 10% - 90% non-condensing  <b>Altitude</b> &lt;5000m operational  <b>MTBF:</b> &gt;100,000 hours per MIL-HDBK-217F at full load and 25°C ambient</p>
<p><b>Output</b></p> <p><b>Total Output</b> 120-130W see table for details  <b>Output Voltage</b> See table  <b>Hold Up Time</b> &gt;8.3mS at full load and 115/230VAC line  <b>Earth Leakage Current (Class I)</b> &lt;110uA at 264VAC, 60Hz  <b>Touch Current</b> &lt;100uA at 264VAC, 60Hz  <b>Average Active Efficiency</b> &gt;88% with 115VAC/60Hz &amp; 230Vac/50Hz input voltage (meets DOE level VI requirements)  <b>No Load Power Consumption</b> &lt;210mW  <b>Turn on Delay</b> &lt;3 seconds</p>	<p><b>Compliance</b></p> <p><b>Safety Approvals</b></p> <p><b>USA</b> ANSI/AAMI ES60601-1  <b>Canada</b> cUL ES60601-1  <b>Europe</b> TUV EN60601-1 3rd edition                  CB Report</p> <p><b>Isolation</b> 4000VAC input to output, 2 x MOPP                  1500 VAC input to ground, 1 x MOPP</p> <p><b>EMC (IEC 60601-1-2:2014):</b> FCC Class B Radiated &amp; Conducted                  CISPR11 Class B Radiated &amp; Conducted                  EN55011 Class B Radiated &amp; Conducted</p> <p><b>Harmonic Currents</b> IEC 61000-3-2  <b>Voltage Flicker</b> IEC 61000-3-3  <b>Electrostatic Discharge</b> IEC 61000-4-2: ±15kV Air, ±8kV contact  <b>Radiated Immunity</b> IEC 61000-4-3: 10V/m  <b>EFT/Burst</b> IEC 61000-4-4: ±2kV  <b>Surge Immunity</b> IEC 61000-4-5: 1kV diff, 2kV com  <b>Conducted Immunity</b> IEC 61000-4-6: 10Vrms  <b>Magnetic Field</b> IEC 61000-4-8: 30A/m  <b>Dips / Interruptions</b> IEC 61000-4-11: Voltage dip immunity, 30% reduction for 500ms, 100% reduction for 10ms</p>
<p><b>Protection</b></p> <p><b>Overvoltage</b> 150% Max. of nominal. Cycle AC power to reset after fault is removed  <b>Overload</b> 110%-150% of maximum output current. Auto recovery  <b>Short Circuit</b> Hiccup mode. Auto recovery</p>	<p><b>General</b></p> <p><b>Dimensions</b> 5.4"(137mm)L x 2.3"(59mm)W x 1.3"(34mm)H</p> <p><b>AC Input Receptacle</b> IEC320 C14, C8  <b>DC output Plug</b> 2.5x5.5mm barrel connector</p> <p><b>Weight</b> 1lb</p>



### Models and Ratings Chart

Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)
PEAMD120-12-B2	12V	10.00A	120W	+/-5%	+/-1%	240mV
PEAMD120-13-B2	15V	8.00A	120W	+/-5%	+/-1%	240mV
PEAMD120-13-2-B2	19V	6.32A	120W	+/-5%	+/-1%	360mV
PEAMD120-14-B2	24V	5.00A	120W	+/-5%	+/-1%	360mV
PEAMD120-18-B2	48V	2.71A	130W	+/-5%	+/-1%	840mV

C14 standard input receptacle

For C8 input receptacle, model numbers are PEAMD120SF. For example, PEAMD120SF-12

For C6 input receptacle, model numbers are PEAMD120S. For example, PEAMD120S-12

For C18 input receptacle, model numbers are PEAMD120F. For example, PEAMD120F-12

### Mechanical Outline

