# PMT Series
Regulated, Adjustable, Microsize DC / DC High Voltage Power Supplies

## Features
- Low Ripple
- Short Circuit Protected
- Reversed Input Protected
- Small Size
- Excellent Stability

## Conditions

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Voltage</td>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>Input Current</td>
<td>At Max Load</td>
<td>150</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage Range</td>
<td>Primary Output</td>
<td>0 to 600</td>
</tr>
<tr>
<td>Current</td>
<td>Max Load</td>
<td>0.83</td>
</tr>
<tr>
<td>Power</td>
<td>Max Load</td>
<td>0.5</td>
</tr>
<tr>
<td>Ripple (p-p)</td>
<td>Max Load</td>
<td>&lt; 0.005</td>
</tr>
<tr>
<td>Load Regulation</td>
<td>From No Load to Full Load</td>
<td>&lt; 0.02</td>
</tr>
<tr>
<td>Line Regulation</td>
<td>&lt; 0.01</td>
<td>%</td>
</tr>
<tr>
<td>Polarity</td>
<td>Fixed Positive and Fixed Negative</td>
<td>-</td>
</tr>
</tbody>
</table>

## Control & Monitoring

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Voltage Control</td>
<td>0 to 5</td>
<td>V</td>
</tr>
<tr>
<td>Reference Voltage</td>
<td>5</td>
<td>V</td>
</tr>
<tr>
<td>Voltage Monitor</td>
<td>1</td>
<td>V/kV</td>
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</table>

## Environmental

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>Case Temp, Full Load, Max Vo</td>
<td>-10 to +65</td>
</tr>
<tr>
<td>Temperature Coefficient</td>
<td>0.01</td>
<td>%/°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85</td>
<td>°C</td>
</tr>
<tr>
<td>Operational Humidity</td>
<td>Non-Condensing</td>
<td>5 to 95%</td>
</tr>
</tbody>
</table>
Case Diagram

Pin Dimensions & Assignments

<table>
<thead>
<tr>
<th>PIN ASSIGNMENT</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
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</thead>
<tbody>
<tr>
<td>1 VIN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Gnd</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Gnd</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Control Voltage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 VREF = +5V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>6 VMON</td>
<td></td>
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<td></td>
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<tr>
<td>7 HV Output</td>
<td></td>
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</table>

(Drilling Data for PC Board – Soldering Face)
### Models

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Input Voltage</th>
<th>Output Voltage</th>
<th>Polarity</th>
<th>Output Power</th>
<th>Output Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMT-12-600P-0.5</td>
<td>12 VDC</td>
<td>0 to 600 V</td>
<td>Positive</td>
<td>0.5 W</td>
<td>0.83 mA</td>
</tr>
<tr>
<td>PMT-12-600N-0.5</td>
<td>12 VDC</td>
<td>0 to -600 V</td>
<td>Negative</td>
<td>0.5 W</td>
<td>0.83 mA</td>
</tr>
<tr>
<td>PMT-12-1000P-0.5</td>
<td>12 VDC</td>
<td>0 to 1,000 V</td>
<td>Positive</td>
<td>0.5 W</td>
<td>0.50 mA</td>
</tr>
<tr>
<td>PMT-12-1000N-0.5</td>
<td>12 VDC</td>
<td>0 to -1,000 V</td>
<td>Negative</td>
<td>0.5 W</td>
<td>0.50 mA</td>
</tr>
<tr>
<td>PMT-12-1250P-0.5</td>
<td>12 VDC</td>
<td>0 to 1,250 V</td>
<td>Positive</td>
<td>0.5 W</td>
<td>0.40 mA</td>
</tr>
<tr>
<td>PMT-12-1250N-0.5</td>
<td>12 VDC</td>
<td>0 to -1,250 V</td>
<td>Negative</td>
<td>0.5 W</td>
<td>0.40 mA</td>
</tr>
<tr>
<td>PMT-12-1500P-0.5</td>
<td>12 VDC</td>
<td>0 to 1,500 V</td>
<td>Positive</td>
<td>0.5 W</td>
<td>0.33 mA</td>
</tr>
<tr>
<td>PMT-12-1500N-0.5</td>
<td>12 VDC</td>
<td>0 to -1,500 V</td>
<td>Negative</td>
<td>0.5 W</td>
<td>0.33 mA</td>
</tr>
<tr>
<td>PMT-15-600P-0.8</td>
<td>15 VDC</td>
<td>0 to 600 V</td>
<td>Positive</td>
<td>0.8 W</td>
<td>1.33 mA</td>
</tr>
<tr>
<td>PMT-15-600N-0.8</td>
<td>15 VDC</td>
<td>0 to -600 V</td>
<td>Negative</td>
<td>0.8 W</td>
<td>1.33 mA</td>
</tr>
<tr>
<td>PMT-15-1000P-0.8</td>
<td>15 VDC</td>
<td>0 to 1,000 V</td>
<td>Positive</td>
<td>0.8 W</td>
<td>0.80 mA</td>
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<tr>
<td>PMT-15-1000N-0.8</td>
<td>15 VDC</td>
<td>0 to -1,000 V</td>
<td>Negative</td>
<td>0.8 W</td>
<td>0.80 mA</td>
</tr>
<tr>
<td>PMT-15-1250P-0.8</td>
<td>15 VDC</td>
<td>0 to 1,250 V</td>
<td>Positive</td>
<td>0.8 W</td>
<td>0.64 mA</td>
</tr>
<tr>
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<td>0.64 mA</td>
</tr>
<tr>
<td>PMT-15-1500P-0.8</td>
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<td>0 to 1,500 V</td>
<td>Positive</td>
<td>0.8 W</td>
<td>0.53 mA</td>
</tr>
<tr>
<td>PMT-15-1500N-0.8</td>
<td>15 VDC</td>
<td>0 to -1,500 V</td>
<td>Negative</td>
<td>0.8 W</td>
<td>0.53 mA</td>
</tr>
<tr>
<td>PMT-24-600P-1</td>
<td>24 VDC</td>
<td>0 to 600 V</td>
<td>Positive</td>
<td>1.0 W</td>
<td>1.67 mA</td>
</tr>
<tr>
<td>PMT-24-600N-1</td>
<td>24 VDC</td>
<td>0 to -600 V</td>
<td>Negative</td>
<td>1.0 W</td>
<td>1.67 mA</td>
</tr>
<tr>
<td>PMT-24-1000P-1</td>
<td>24 VDC</td>
<td>0 to 1,000 V</td>
<td>Positive</td>
<td>1.0 W</td>
<td>1.00 mA</td>
</tr>
<tr>
<td>PMT-24-1000N-1</td>
<td>24 VDC</td>
<td>0 to -1,000 V</td>
<td>Negative</td>
<td>1.0 W</td>
<td>1.00 mA</td>
</tr>
<tr>
<td>PMT-24-1250P-1</td>
<td>24 VDC</td>
<td>0 to 1,250 V</td>
<td>Positive</td>
<td>1.0 W</td>
<td>0.80 mA</td>
</tr>
<tr>
<td>PMT-24-1250N-1</td>
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</table>

### Certifications

![UL Logo](https://via.placeholder.com/150)

![CE Logo](https://via.placeholder.com/150)

![RoHS Logo](https://via.placeholder.com/150)