MJ Series  
15 Watt  
Regulated  
High Voltage  
DC Modules  

Premium  
Performance...  
Low Cost  

Small Size  
and Weight  

Fully compliant with the European harmonized EMI directive, EN50082-2, and with the low voltage (safety) directive, 73/23/EEC.

Line harmonics are within the European harmonized standard, EN61000-3-2 specifications.

Features:

Current Regulation Unequalled in a Module of This Price Range. For example, the regulation from short circuit to rated voltage for the 15 kV, 1 mA model is ± 500 nanoamperes.

Glassman’s “Air Insulated” designs are completely serviceable; this module is not an epoxy block “throw away”.

AC Input: Eliminates the need, and expense of an auxiliary DC power source.

Standard Accessories: Detachable 8’ shielded output cable, and mating control connector.

Constant Voltage/Current Operation - Standard

Low Stored Energy: Less than 200 millijoules for most models.

“Multi-Mode” operation permits maximum user flexibility.

- Local voltage or current control, user selectable.
- Remote voltage and/or current control via 0 - +10 volt signal.
- Remote voltage and/or current control via potentiometers.

Protection: Overload, short circuit, and arc protection is provided by automatic current regulation and by careful surge limiting design.

External Interlock Terminals

TTL Enable/Disable

Warranty. Standard power supplies are warranted for three years; OEM and modified power supplies are warranted for one year. A formal warranty statement is available.

Models from 0-3kVDC through 0-30kVDC; weight < 7.5 lbs.
Specifications

Output Cable: Detachable, 8 foot. RG8U shielded high voltage coaxial cable is provided.
Controls: A DB15S D-subminiature connector, and mating plug, is provided for all control input functions. These include common, +10 volt reference, interlock, current monitor, current program, voltage monitor, voltage program, TTL, ground, and local control.
External Interlock: Open off, closed on.
HV Enable/Disable: 0-1.5 V off, 2.5-15 V on.

Models:

<table>
<thead>
<tr>
<th>Positive Polarity</th>
<th>Negative Polarity</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Output Cable</th>
<th>Case Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJ3P5000</td>
<td>MJ3N5000</td>
<td>0-3 kV</td>
<td>0-5 mA</td>
<td>RG-8U</td>
<td>A</td>
</tr>
<tr>
<td>MJ5P3000</td>
<td>MJ5N3000</td>
<td>0-5 kV</td>
<td>0-3 mA</td>
<td>RG-8U</td>
<td>A</td>
</tr>
<tr>
<td>MJ10P1500</td>
<td>MJ10N1500</td>
<td>0-10 kV</td>
<td>0-1.5 mA</td>
<td>RG-8U</td>
<td>A</td>
</tr>
<tr>
<td>MJ15P1000</td>
<td>MJ15N1000</td>
<td>0-15 kV</td>
<td>0-1 mA</td>
<td>RG-8U</td>
<td>A</td>
</tr>
<tr>
<td>MJ20P700</td>
<td>MJ20N700</td>
<td>0-20 kV</td>
<td>0-0.7 mA</td>
<td>RG-8U</td>
<td>B</td>
</tr>
<tr>
<td>MJ30P400</td>
<td>MJ30N400</td>
<td>0-30 kV</td>
<td>0-0.4 mA</td>
<td>RG-8U</td>
<td>B</td>
</tr>
</tbody>
</table>