HV RACK® CONFIGURABLE SERIES

Rack Mount High Voltage Power System

The HV Rack Configurable power system is a fully featured, configurable chassis, enabling end users to select and to specify the UltraVolt high-voltage power supply (HVPS) operating in each channel from UltraVolt’s catalog of more than 600 models. This combination provides accurate control and measurement of high-voltage power supply and HV system performance.

- 1 to 4 configurable high-voltage output channels
- Voltage ranges from 0 to 62VDC through 40kV
- 4 to 1000 watts per channel, up to 1000 watts total
- Independent control & monitoring of each channel
- Voltage and Current meters for each channel
- Constant current / Constant voltage auto-crossover
- Pre-set before & during bias capability
- PLC Analog/Digital Remote operation capability

### HV RACK X-250
- 115/230VAC, 50/60Hz
- 375W

### HV RACK X-500
- 115/230VAC, 50/60Hz
- 750W

### HV RACK X-750
- 230VAC, 50/60Hz
- N/A

### HV RACK X-1000
- 230VAC, 50/60Hz
- 750W
- 1125W
- 1500W

### Remote Control
- Enable: All Channels
- V Control: All Channels
- HV Monitor: All Channels
- I Control: All Channels
- I Monitor: All Channels
- Reference Out: All Channels
- LVPS Out: One Signal, PTC Fused
- Power Ground: One Signal
- Global Disable: One Signal

### Output Meters
- Voltage: 4½ Digit Red LED
- Current: 3½ Digit Blue LED

### Temperature
- Operating: Full Load, Max Eout, Case Temp.
- Storage: Non-Operating, Case Temp.

### Altitude
- Operating: Standard Package
- Storage: Standard Package

### Humidity
- Operating: Standard Package
- Storage: Standard Package

### Packaging
- Chassis Length: Not including mounting feet
- Chassis Width: Not including mounting feet
- Chassis Height: Not including mounting feet
- Front Panel Length: Not including handles or controls
- Front Panel Width: Not including handles or controls
- Front Panel Height: Not including handles or controls
- Weight: Overall (configuration dependent)
- Weight: Shipping (configuration dependent)

Specifications subject to change without notice.

Making High Voltage Easier!®
FIGURE A: HV Rack Configurable System Block Diagram

FIGURE B: FRONT PANEL
HV RACK® CONFIGURABLE SERIES
Rack Mount High Voltage Power System

FIGURE C: REAR PANEL (EXAMPLE)

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>TYPE:</th>
<th>DESCRIPTION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HV-RACK-1-250</td>
<td>19” HV Rack with (1) set of meters &amp; controls with 300 watts of LV power configured for: One channel 250W max total output.</td>
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<td>HV-RACK-1-500</td>
<td>19” HV Rack with (1) set of meters &amp; controls with 600 watts of LV power configured for: One channel 500W max total output.</td>
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<td>19” HV Rack with (1) set of meters &amp; controls with 900 watts of LV power configured for: One channel 750W max total output.</td>
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<td>19” HV Rack with (2) sets of meters &amp; controls with 300 watts of LV power configured for: Two channels 250W max combined output.</td>
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Note: The sum of the output power capability of the modules cannot exceed the total rack power capability. Please contact the factory to configure your HV Rack part number.

Exceeding 250W in a single channel is possible by paralleling UltraVolt's High Power C Series of 250W models.

STANDARD HV CONNECTOR:
• Alden B110YX10 (one per channel)

CURRENTLY AVAILABLE OPTIONS:
• USB Interface (USB-HV-RACK)
• Floating/Isolated Channels
• SHV Connectors
• Amp Connectors
• Fischer Connectors
• Alden Connectors
• Caton Connectors
• Parker Medical Connectors
• Removable Mounting Feet
• Mounting Slides

Manufactured in USA