

RACK Series

Specific High Voltage custom design



- ◇ Customized Front and Rear panels
- ◇ 1 to 6 independent channels
- ◇ Vout: 0 to 40.000 Vdc
- ◇ Pout per channel : from 10 to 250W



General Description

◇ The RACK series are a family of specific designs built to meet the own customer specifications integrating our HV modules (HV modules, Charging Capacitors modules, Amplifiers,...) developed by High Voltage, offering a large range of solutions.

Parameters	Specifications
Input voltage V_{in}	5 - 12 - 24Vdc or 90 to 264Vac
Output voltage v_{out}	0-100Vdc up to 0-40.000Vdc – AC voltage available
Output power p_{out}	10W or 250W per channel
Polarity	Positive (P) / Negative (N) / BiPolar (BP) for each channel
Operating temperature	-20 to +70°C
Storage temperature	-40 to +80°C
Protections	As per customer request. <ul style="list-style-type: none">• Fully protected against repetitive arcs and short-circuits on the output• Protected against reverse polarity• Fuse on the input• Thermal shutdown (automatically restart after cooling)• Input voltage discriminator (false input will not damage the unit, which simply will not start in such a case)• Switch ON/OFF
Indicators	Colors' led for input voltage presence (and fuse validity), normally ON, output overloaded or fault, normally OFF (if ON, it can indicates that the filter is dirty)
Connections	As per customer specifications



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RACK 3U/19» - Precision High Voltage Amplifier - 5 Channels



Application:
Medical

- I/P voltage: Universal
- 5 modules High-Voltage Amplifier
 - O/P: 0 to 4,000Vdc @ 250 μ A 1W per HV module
 - Polarity: Bipolar
 - U & I contrôle: 0-10Vdc
- 5 x BNC HT R316-563 on the Rear Panel
- 1 x switch
- 1 x switch On/Off including a led (HV connections signal)
- 2 x SUB-D connectors VHDCI & VHDCI 'M' type on the Front Panel
- 1 x InPut Cable

RACK 2U/19» - 3 Channels



Application:
Industrial X-ray tomography

- I/P voltage: Universal
- 1 High Voltage module
 - O/P: 0 to 1,000Vdc @ 4mA 4W
 - Polarity: Positive
 - U & I contrôle: 0-10Vdc
- 1 x BNC HT R316-563; Fuse & Inlet connector on the rear panel
- 1 x switch On/Off
- 2 x Potentiometers for I & U control on the Front Panel
- 1 x InPut Cable

RACK 1U/19» - 3 Channels



Application:
Atmospherical research

- I/P voltage: Universal
- 1 High Voltage module
 - O/P: 0 to 1,500Vdc @ 2mA 3W per channel
 - Polarity: Negative
 - U & I contrôle: 0-10Vdc
- 1 x BNC HT R316-563; Fuse & Inlet connector on the rear panel
- 1 x switch On/Off
- 3 x Potentiometers for U control (10 turns) on the Front Panel
- 3 LCD
- 1 x InPut Cable

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HV-LAB: AC-DC High Voltage Bench-top Power Supply



- I/P voltage: Universal 85-264 VAC
- Polarity: Positive or Negative (depending on the model)
- O/V: from 0V to 6000V
- O/P: from 0.1W to 6W depending on the model
- Residual ripple: < 0.05% typically and according to type
- 1 x switch On/Off on rear panel

Applications: General High Voltage, bias supplies, detectors (PMTs-APDs), lasers, electrophoresis, electrostatic chucks



This High Voltage power supply satisfies the requirements of EC Directives Safety.

Non contractual document.

All specifications are subject to change without notice.

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SDS
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