

IQ Series

Multi-channel high voltage power supply : from 2 to 3 channels

custom product

Example : Reference: IQ152202
Vin : universal 85-264 VAC
Vout : 1.5kV
Pout : 3W



IQ152202 model
3x1500V, 3W

The IQ Series is fitted with as much integrated 10-turn potentiometers for voltage control as there are output channels. It is to be plugged into the mains. The unit can contain up to 3 high voltage power supplies in order to feed several electronic devices. As an example, the characteristics of model reference IQ152202 are given below. Unit equipped with three 1.5kV, 3W outputs.

- output voltages to 1.5kV
- rack mounting
- low profile and lightweight
- extremely low ripple
- tight line/load regulation
- positive or negative polarity
- local or analogue operation
- remote and front panel monitoring of DC output voltage
- protection against overload, short circuit and arc

Parameters	Specifications of the IQ152202 model
Line input	universal 85-264 VAC
Mains and high voltage controls	<ul style="list-style-type: none"> ▪ mains : ON/OFF switch on rear panel ▪ high voltage : ON/OFF switch on front panel
Output voltages	from 0 to 1500V
Output currents	2mA max.
Polarity	positive or negative - to order
Load voltage regulation	±0,01% of full output voltage for no load to full load
Line voltage regulation	±0,01% of full output voltage over specified input voltage range
Residual ripple	0,0007% peak-to-peak at full load
Temperature coefficient	100ppm/°C (higher stability upon request)
Safeguards	screw plug for grounding on rear panel
Local mode specifications (controls on front panel)	
High Voltage ON/OFF	by TTL or Open/Close signal or front panel switch
Voltage setting	via 10-turn potentiometers with turns-counting dial, from 0 to full output voltage, on front panel
Local mode monitoring (front panel)	
Output voltage	by 3½ digital display, dimensions 35mm x 22.4mm, resolution ±1V

Mechanical Configuration	
Insulation	high voltage assembly fully potted in an epoxy resin or in another specially selected material
Case	rack 19" 1U, Length: 482.6mm, Height: 44.5mm, Depth : 280.0mm
Mains input	IEC 320 type AC connector fuse (L 500mA) on rear panel
High voltage output connector on rear panel	high voltage BNC Radiall R316553