

This series of triple output power supplies incorporate the high frequency switch mode technology to give highly regulated panel mountable portable units with kV range varying from 10kV to 60kV catering to a wide variety of scientific and industrial applications. All controls & displays are detachable for external operation from panel.

### Features:

- Compact & Portable
- Precision Regulated
- High Stability
- Detachable Control for Remote Operation
- OEM Customization Available

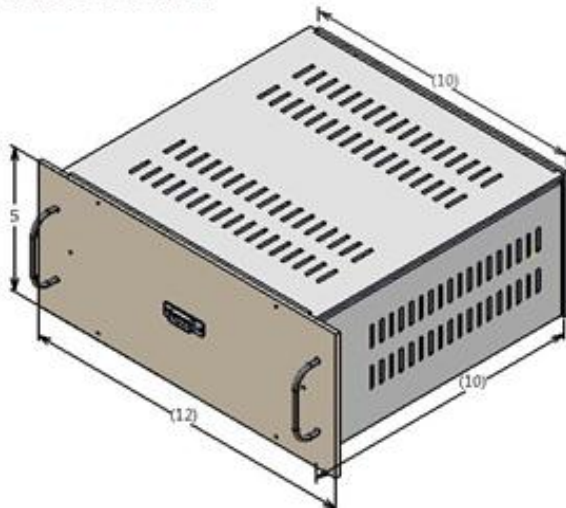


### TECHNICAL SPECIFICATIONS

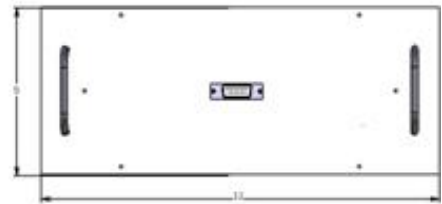
PARAMETER	SPECIFICATION
Input Voltage	230V $\pm$ 10% AC, 50Hz, single phase
Output Voltage*	0 to 10/20/30/40/50/60kV DC
Output Current*	0 to 1mA (0.3mA each output) OR 0 to 3mA (1mA each output)
Polarity*	Positive
Line Regulation	< 0.05% for $\pm$ 10% variation in input voltage
Load Regulation	< 0.1% for 10 to 100% load variation
Stability	< 0.01%/hour after 1 hour warm up
Regulating Mode	Constant voltage
Voltage Control (From zero to rated kV)	By external 10-turn potentiometer with lockable counting dial
Protections	Against overload, arc and short-circuit During short circuit, power supply trips & automatically restarts after 2 secs.
Front Panel	15pin D-connector for external operation
Back Panel	10 pin terminal block Fuse holder with fuse 3 RF connectors for 3 HV outputs Stud for grounding the unit
Topology	High frequency switch mode
Size	11"×10"×6" (W×D×H)
Output Cable	1.5 meters of HV DC cable

\*Optional. To be specified by the user.

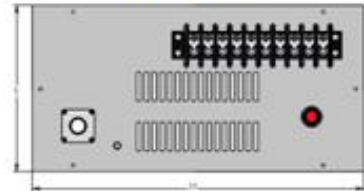
**Cabinet Details:**



**Front Panel**



**Back Panel**



Input / Output Connectors Configuration				
Pins	15 Pin D Connector		10 Pin Terminal Block	
1	<b>Kilovolts Display Meter</b>		<b>Neutral</b>	
2			<b>Phase (230V AC)</b>	
3			<b>No Connection</b>	
4			<b>Earth</b>	
5	<b>Milliamperes Display Meter</b>		<b>Power ON / OFF Switch Pole</b>	
6			<b>Power ON / OFF Switch NO</b>	
7			<b>Door Interlock Pole</b>	
8			<b>Door Interlock NO</b>	
9	<b>Common</b>		<b>Phase Out</b>	
10	<b>Voltage Program</b>		<b>Neutral Out</b>	
11	<b>+10V DC Reference</b>			
12	<b>HV ON Switch Pole</b>			
13	<b>HV ON Switch NO</b>			
14	<b>No Connection</b>			
15	<b>No Connection</b>			

For any queries or customization requests contact us at [info@ionics.co.in](mailto:info@ionics.co.in)

For product line information visit us at [www.ionics.co.in](http://www.ionics.co.in)