

This series of 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

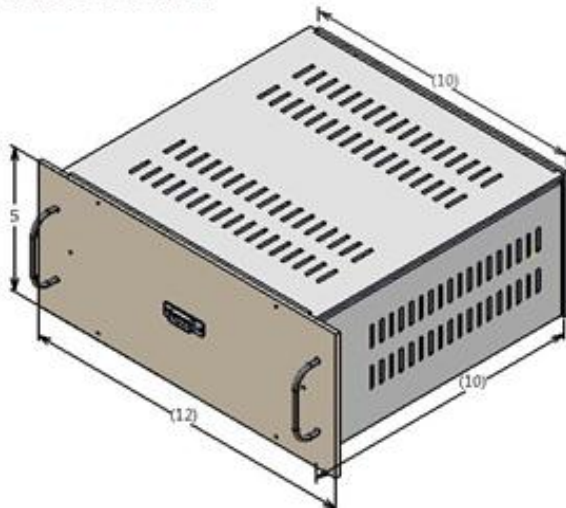


TECHNICAL SPECIFICATIONS

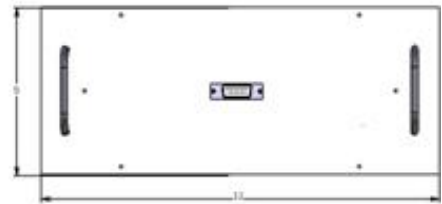
PARAMETER	SPECIFICATION
Input Voltage	230V \pm 10% AC, 50Hz, single phase
Output Voltage*	0 to 10/20/30/40/50/60kV DC
Output Current	0 to 1mA
Polarity*	Positive
Line Regulation	< 0.05% for \pm 10% variation in input voltage
Load Regulation	< 0.05% for 10 to 100% load variation
Stability	< 0.01%/hour 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 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 RF connector for HV output Stud for grounding the unit
Topology	High frequency switch mode
Size	10"×10"×5" (W×D×H)
Output Cable	1.5 meters of HV DC cable

*Optional. To be specified by the user.

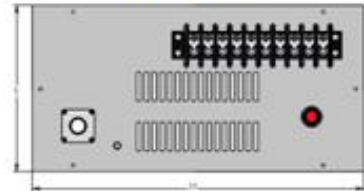
Cabinet Details:



Front Panel



Back Panel



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

Ordering Code	MF	<u>050</u>	K	<u>050</u>	W	<u>P</u>	C	I	D	4	R
		1		2		3					
Section	Description		Options		Options Description						
1	Output Voltage		XX		Value of output voltage XX=10/20/30/40/50/60; For 10/20/30/40/50/60kV						
2	Output Power		YY		Value of output power (XX×1mA) YY=10/20/30/40/50/60; For 10/20/30/40/50/60W						
3	Polarity		P		Positive						
			N		Negative						

For any queries or customization requests contact us at info@ionics.co.in

For product line information visit us at www.ionics.co.in