

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

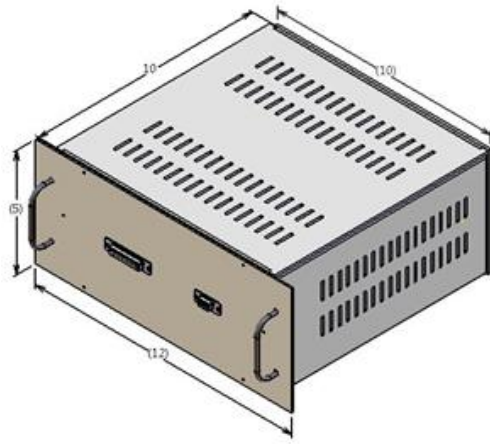


### TECHNICAL SPECIFICATIONS

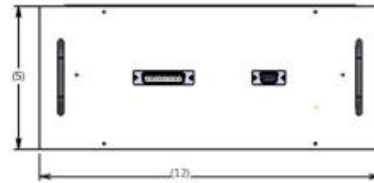
PARAMETER	SPECIFICATION
Input Voltage	115V or 230V $\pm$ 10% AC, 50Hz, single phase
Output Voltage*	0 to 10/20/30/40/50/60kV DC
Output Current	0 to 400 $\mu$ A
Polarity*	Positive / Negative
Line Regulation	< 0.05% for $\pm$ 10% variation in input voltage
Load Regulation	< 0.05% for 10 to 100% load variation
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 & is to be manually reset to restart
Front Panel	25pin D-connector for external operation 9 pin D-connector for remote control
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'' $\times$ 10'' $\times$ 5'' (W $\times$ D $\times$ H)
Output Cable	1.5 meters of HV DC cable

\*Optional. To be specified by the user.

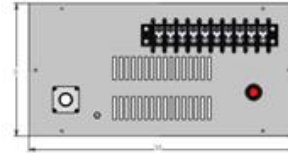
**Cabinet Details:**



**Front Panel**



**Back Panel**



**Input / Output Connectors Configuration**

Pins	25 Pin D Connector	9 Pin D Connector	10 Pin Terminal Block
1	<b>Kilovolts Display Meter</b> 	<b>Common</b>	<b>Neutral</b>
2		<b>HV Enable</b>	<b>Phase (115V AC)</b>
3		<b>Voltage Program</b>	<b>Phase (230V AC)</b>
4		<b>Voltage Monitor</b>	<b>Earth</b>
5	<b>Milliamperes Display Meter</b> 	<b>No Connection</b>	<b>Power ON/OFF Switch Pole</b>
6		<b>Current Monitor</b>	<b>Power ON/OFF Switch NO</b>
7		<b>No Connection</b>	<b>Door Interlock Pole</b>
8		<b>No Connection</b>	<b>Door Interlock NO</b>
9		<b>+10VDC Reference</b>	<b>Phase Out</b>
10			<b>Neutral Out</b>
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22	<b>No Connection</b>		
23	<b>No Connection</b>		
24	<b>No Connection</b>		
25	<b>No Connection</b>		

Ordering Code	MF	050	K	020	W	P	C	U	D	4	L
		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×400μA) YY=04/08/12/16/20/24; For 4/8/12/16/20/24W						
3	Polarity		P		Positive						
			N		Negative						

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)