

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 mainly catering to lab and industrial electro-spinning 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

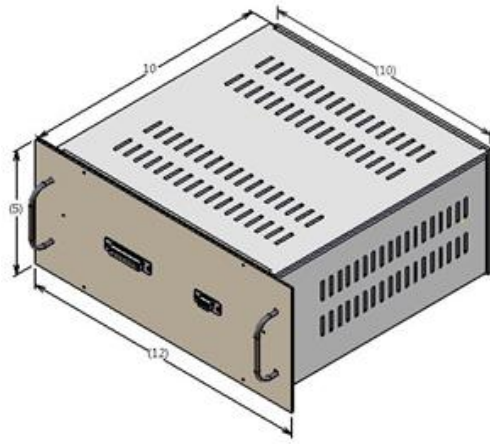


TECHNICAL SPECIFICATIONS

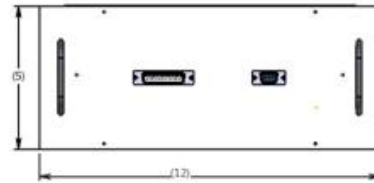
PARAMETER	SPECIFICATION
Input Voltage	115V or 230V \pm 10% AC, 50Hz, single phase
Output Voltage*	0 to 10/20/30/40/50/60kV DC
Output Current	0 to 400 μ A
Polarity*	Positive / Negative
Line Regulation	< 0.05% for \pm 10% variation in input voltage
Load Regulation	< 0.05% for 10 to 100% load variation
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.

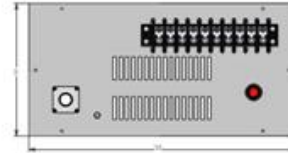
Cabinet Details:



Front Panel



Back Panel



Input / Output Connectors Configuration

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

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

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