

This series of power supplies incorporate the high frequency switch mode technology to give highly regulated chassis mountable modular units with kV range varying from 10kV to 50kV catering to a wide variety of scientific and industrial applications that include XRF instruments for elemental analysis, electro -spinning, hipot testing, electrophoresis, cable testing, etc.

**Features:**

- Compact & Modular
- Precision Regulated
- High Stability
- Remote Operation
- OEM Customization Available

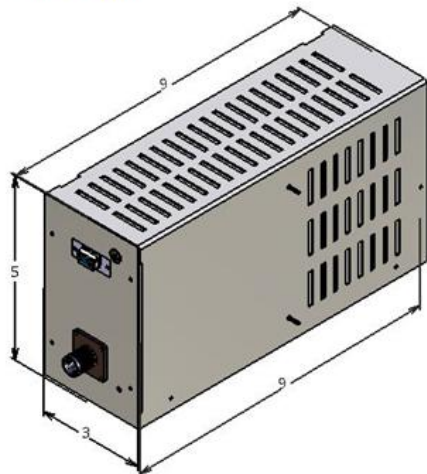


**TECHNICAL SPECIFICATIONS**

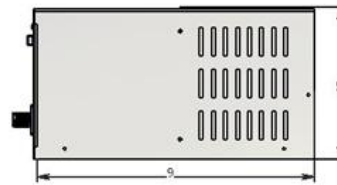
PARAMETER	SPECIFICATION
Input Voltage	24V DC $\pm$ 10%
Output Voltage*	0 to 10/20/30/40/50kV DC
Output Current	0 to 1mA
Polarity*	Positive / Negative
Line Regulation	< 0.05% for $\pm$ 10% variation in input voltage
Load Regulation	< 0.1% for 10 to 100% load variation
Stability	< 0.01%/hour after 1 hour warm up
Protections	Against overload, arc and short-circuit During short circuit, internal circuitry limits the short circuit current
Front Panel	24V DC input through 1.0sq mm PVC wires Fuse holder with fuse (on top plate) RF connector for HV output 9 pin D-connector for remote control Stud for grounding the unit
Size	5" $\times$ 9" $\times$ 3" (W $\times$ D $\times$ H)
Weight	2.5kg
Output Cable	26" of HV DC cable

\*Optional. To be specified by the user.

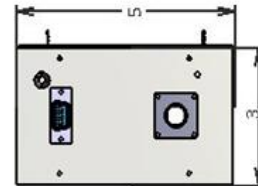
**Cabinet Details:**



**Top Panel**



**Front Panel**



**Remote Connector Configuration**

Pins	9 Pin D Connector
1	Common
2	HV Enable (Active Low)
3	Voltage Program
4	Voltage Monitor
5	Current Program
6	Current Monitor
7	Reserved
8	Reserved
9	+10V DC Reference

Ordering Code	MF	050	K	050	W	P	C	2	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; For 10/20/30/40/50kV						
2	Output Power		YY		Value of output power (XX×1mA) YY=10/20/30/40/50; For 10/20/30/40/50W						
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)