

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.

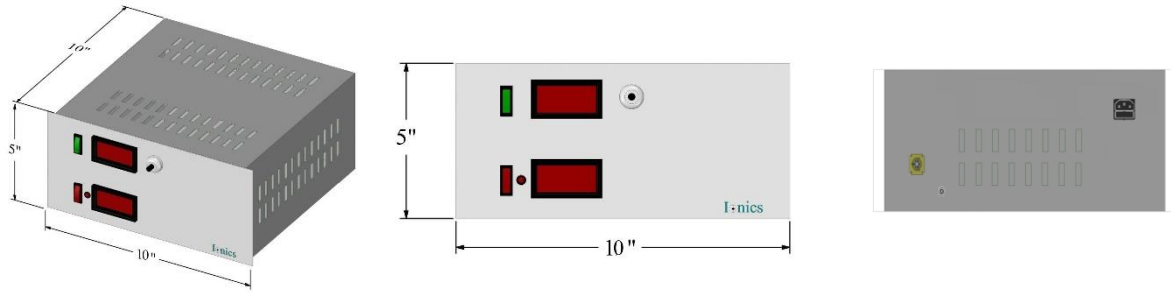
Features:

- ❖ Compact & Modular
- ❖ Precision Regulated
- ❖ High stability
- ❖ Remote operation
- ❖ OEM Customization available



TECHNICAL SPECIFICATIONS	
PARAMETER	SPECIFICATION
Input voltage*	230V± 10% AC, 50Hz, single phase
Output Voltage*	0 to 10/20/30/40/50/60kV DC
Output Current	0 to 400μA / 1mA
Polarity *	Positive / Negative
Line Regulation	<0.05% for±10% variation in input voltage
Load Regulation	<0.1% for 10 to 100%load variation
Stability	<0.1%/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 & to be manually reset to restart
Front Panel	Power ON/OFF switch HV ON/OFF switch with indication 3½ digit voltage and current meters 10-turn potentiometers for voltage and current control Constant voltage – constant current mode indication LED indications for faults
Back Panel	10pin terminal block Fuse holder with fuse RF connector for HV output Stud for grounding the unit
Topology	High frequency switch mode
Size (W x D x H)	10” x 10” x 5” for 10kV to 50kV & 11” x 11” x 6” for 60kV
Output cable	1.5meters of HV DC cable

*Optional. To be specified by the user.



Ordering Code	HVM	60	K	060	W	N	C	I	A	R
		1		2	3	4	5	6	7	8
Section	Description	Options		Options Description						
1	Output Voltage	XXX		Value of output voltage						
2	Output Power	Y		Value of output power						
3	Output Power Range	W		Watts						
		K		Kilo Watts						
4	Polarity	P		Positive						
		N		Negative						
		D		Dual						
		B		Bipolar						
		R		Reversible						
5	Mode	P		Pulsed						
		C		Continuous						
		F		Fixed						
		S		Sine						
		T		Square						
6	Input Voltage	2		24V DC						
		I		230V						
		J		415V						
7	Short Circuit	A		Shut down						
		B		Shut down & manual reset						
		C		Shut down & automatic restart						
		D		Constant current						
8	Controls	R		Remote						
		L		Local						

For any queries or customization requests contact us at info@ionics.co.in
 For product line information visit us at www.ionics.co.in