

This series of power supplies will have both polarities but either one can be operated at one time.

Features:

- Selectable Polarity
- Precision Regulated
- High Stability
- 19" Rack Mountable
- OEM Customization Available

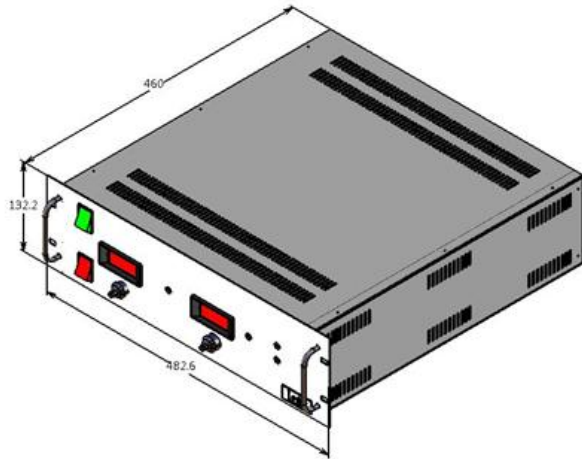


TECHNICAL SPECIFICATIONS

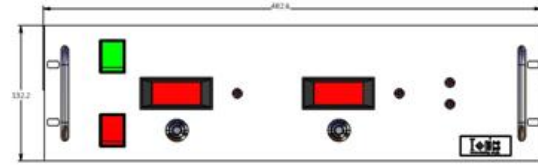
PARAMETER	SPECIFICATION
Input Voltage	230V \pm 10% AC, 50Hz, single phase / 415V \pm 10% AC, 50Hz, three phase
Output Voltage Range*	1kV DC to 150kV DC
Output Power Range*	50W to 30kW
Number of Outputs	1
Polarity	Reversible. Positive or negative selection is by a switch on front panel upto 10kV models and simply reversing multiplier / rectifier stack above 10kV
Line Regulation	Upto 0.05% for \pm 10% variation in input voltage
Load Regulation	Upto 0.05% for 0 to 100% load variation
Ripple	Upto 0.1% rms
Stability	< 0.01%/hour after 1 hour warm up
Regulating Mode*	Constant voltage – Constant current
Voltage & Current Control	By 10-turn potentiometers on the front panel
Protections*	Against over load, short-circuit and arc
Front Panel	Power ON/OFF switch / MCB with indication HV ON/OFF switch with indication Polarity indication 3½ digit voltage and current meters 10-turn potentiometers for voltage and current control Constant voltage – constant current mode indication
Back Panel	Socket for mains input with 250V, 10A/20A 3 conductor power cord of 1.5 meters / Terminal block for 3 phase input Fuse holder with fuse Terminal for HV output with 10ft of detachable high voltage cable Stud for grounding the unit
Topology	High frequency resonant / PWM-controlled switch mode
Switching Device	IGBT
Cabinet	<ul style="list-style-type: none"> • 1kV to 30kV • 35kV to 150kV <ul style="list-style-type: none"> • 19" rack, powder coated, 3U to 8U depending on power rating • 19" rack, powder coated, 3U to 8U depending on power rating followed by a separate multiplier cabinet

*Optional. To be specified by the user

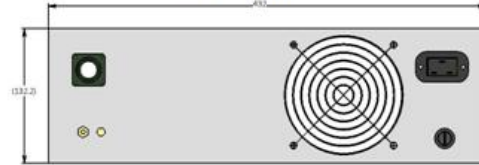
Cabinet Details:



Front Panel



Back Panel



Ordering Code	<u>H</u> V	<u>0</u> 0 <u>2</u>	<u>K</u>	<u>1</u> 0 <u>0</u>	<u>W</u>	<u>R</u>	<u>C</u>	<u>I</u>	<u>D</u>	<u>5</u>	<u>L</u>
Section	Description		Options		Options Description						
1	Output Voltage		XXX		Value of output kilovolts						
2	Output Power		YYY		Value of output power						
3	Output Power Range		W		Watt						
			K		Kilowatt						
4	Input Voltage		I		230V AC (If YYY ≤ 2 kilowatt)						
			J		415V AC (If YYY > 2 kilowatt)						
5	Short circuit		A		Shut down						
			B		Shut down & manual reset						
			C		Shut down & automatic restart						
			D		Constant current						
6	Operation Mode		4		Constant voltage						
			5		Constant voltage & constant current						

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

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