

This series of power supplies can generate two independent outputs of same or opposite polarities in the same power supply both having single control OR independent controls depending on requirement.

### Features:

- Two Independent Outputs In One Power Supply
- Single / Dual Control
- Precision Regulated
- High Stability
- 19" Rack Mountable
- OEM Customization Available

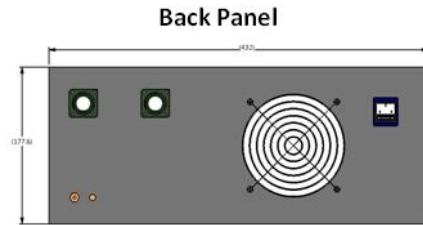
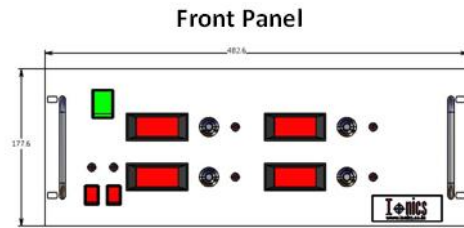
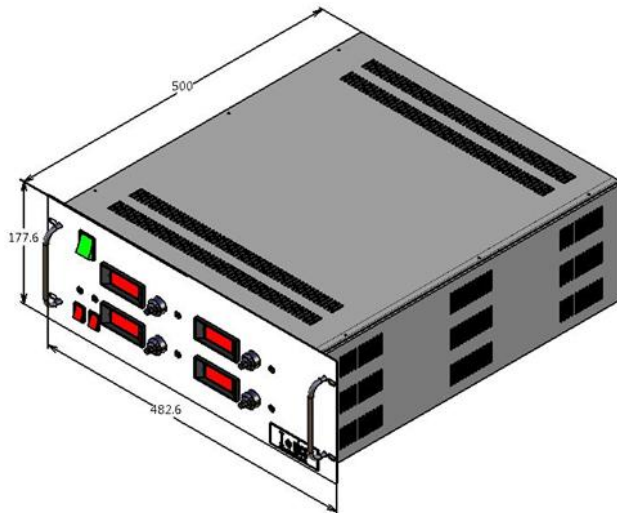


### TECHNICAL SPECIFICATIONS

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 20kW
Number of Outputs	2
Polarity	Positive & negative (Two outputs will be available simultaneously)
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	Local: 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 (2 sets) 3½ digit voltage and current meters (2 sets) 10-turn potentiometer for voltage control (1 potentiometer in case of single control, 2 potentiometers for dual control)* Constant voltage – constant current mode indication (2 sets)
Back Panel	Socket for mains input with 250V, 10A 3 conductor power cord of 1.5 meters / terminal block for 3 phase input Fuse holder with fuse Terminals for HV output with 10ft of detachable high voltage cable (2 sets) Stud for grounding the unit
Topology	High frequency resonant / PWM-controlled switch mode
Switching Device	IGBT
Cabinet	19" rack, powder coated, 2U to 8U depending on power rating

\*Optional. To be specified by the user

**Cabinet Details:**



Ordering Code	<u>HV</u>	<u>005</u>	<u>K</u>	<u>250</u>	<u>W</u>	<u>D</u>	<u>C</u>	<u>I</u>	<u>D</u>	<u>5</u>	<u>L</u>
		1		2	3			4	5	6	
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	Regulating Mode		4		Constant voltage						
			5		Constant voltage & constant current						

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)