

This series of power supplies integrates DC power supply with pulsing components to give a compact unit for ease of operation. General applications include sputtering, electroplating, plasma research, etc.

Features:

- ❖ Pulsed & DC in single compact
- ❖ Frequency & Duty Cycle Controllable
- ❖ 19" Rack Mountable
- ❖ OEM Customization Available



TECHNICAL SPECIFICATIONS				
PARAMETER	SPECIFICATION			
Input Voltage	230V $\pm$ 10% AC, 50Hz, single phase for output power $\leq$ 2kW 415V $\pm$ 10% AC, 50Hz, three phase for output power $>$ 2kW			
Output Voltage & Current	0 to 800V 0 to 400V	1kW 0 to 1.25A 0 to 2.5A	2kW 0 to 2.5A 0 to 5A	5kW 0 to 6.25A 0 to 12.5A
Output Power	1kW / 2kW / 5kW			
Polarity*	Negative			
Mode of Operation	Pulse / Continuous			
Ignition Voltage	1200 DC max.			
Pulse Frequency	1kHz to 100kHz variable			
Duty Cycle	10% to 80%			
Regulating Mode	Constant voltage- constant current			
Regulation	• In Continuous mode $\leq$ 0.1% • In Pulsed mode $\leq$ 1%			
Settings & Readouts	Settings- Voltage, current, frequency, duty cycle Read-outs- Voltage, current, frequency, duty cycle Faults- OV, OC, OT			
	• (Through front panel console)			
Protections*	Against overload, over voltage, over temperature and short-circuit			
Front Panel	Power ON-OFF switch / MCB ON-OFF Main ON indication Console			
Back Panel	Socket for mains input with 250V, 10A/20A 3 conductor power cord of 1.5 meters / Terminal blocks for 3 phase input Fuse holder with fuse Stud for grounding the unit			
Topology	PWM-controlled switch mode			
Switching Device	IGBT			
Cabinet	19" rack, powder coated			

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

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