

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			
<b>Input Voltage</b>	230V $\pm$ 10% AC, 50Hz, single phase for output power $\leq$ 2kW 415V $\pm$ 10% AC, 50Hz, three phase for output power $>$ 2kW			
<b>Output Voltage &amp; Current</b>	0 to 800V 0 to 400V	<b>1kW</b> 0 to 1.25A 0 to 2.5A	<b>2kW</b> 0 to 2.5A 0 to 5A	<b>5kW</b> 0 to 6.25A 0 to 12.5A
<b>Output Power</b>	1kW / 2kW / 5kW			
<b>Polarity*</b>	Negative			
<b>Mode of Operation</b>	Pulse / Continuous			
<b>Ignition Voltage</b>	1200 DC max.			
<b>Pulse Frequency</b>	1kHz to 100kHz variable			
<b>Duty Cycle</b>	10% to 80%			
<b>Regulating Mode</b>	Constant voltage- constant current			
<b>Regulation</b>	<ul style="list-style-type: none"> <li>• In Continuous mode <math>\leq</math> 0.1%</li> <li>• In Pulsed mode <math>\leq</math> 1%</li> </ul>			
<b>Settings &amp; Readouts</b>	<b>Settings-</b> Voltage, current, frequency, duty cycle <ul style="list-style-type: none"> <li>• (Through front panel console) <b>Read-outs-</b> Voltage, current, frequency, duty cycle</li> </ul> <b>Faults-</b> OV, OC, OT			
<b>Protections*</b>	Against overload, over voltage, over temperature and short-circuit			
<b>Front Panel</b>	Power ON-OFF switch / MCB ON-OFF Main ON indication Console			
<b>Back Panel</b>	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			
<b>Topology</b>	PWM-controlled switch mode			
<b>Switching Device</b>	IGBT			
<b>Cabinet</b>	19" rack, powder coated			

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)