

This series of power supplies generate alternate pulses of opposite polarities. The output voltage, pulse width and the pulse frequency are all controllable via front panel fascia.

Features:

- ❖ Pulsed and Continuous
- ❖ Regulated
- ❖ Frequency & Duty Cycle Controllable
- ❖ 19" Rack Mountable
- ❖ OEM Customization Available



TECHNICAL SPECIFICATION	
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 Range*	+40 to -800V DC in pulsed mode (variable) 0 to -800V DC in continuous mode (variable)
Output Power Range*	1kW / 2kW / 5kW
Frequency Range*	1kHz to 100kHz
Frequency Control Range	Minimum to maximum of rated frequency range
Duty Cycle Control Range in Pulsed Mode*	10% to 50% variable
Mode of Operation	Pulsed and continuous
Regulating Mode	Pulsed Mode: Constant voltage Continuous Mode: Constant voltage – constant current
Settings & Readouts (Through front panel console)	Settings-Voltage, current, frequency, duty cycle Read-outs- Voltage, current, frequency, duty cycle Faults- OV, OC, OT
Protections*	Against over load, over voltage, over temperature & short-circuit
Front Panel	Power ON-OFF switch / MCB ON-OFF Main ON indication Console for setting & readouts
Back Panel	Socket for mains input with 250V, 10A/20A 3 conductor power cord of 1.5 meters / Terminal blocks for 3 phase input Connector for high voltage / high current output Fuse holder with fuse Stud for grounding the unit
Topology	High frequency resonant / PWM-controlled switch mode
Switching Device	IGBT/MOSFET
Cabinet	19" rack, powder coated, 3U to 5U depending on power rating

*Optional. To be specified by the user.

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

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