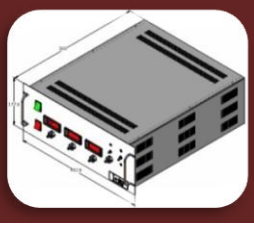
ASSYMETRIC BIPOLAR PULSED-DC POWER SUPPLY

+40V to -800V Pulsed-DC, 50W to 5kW

This series of power supplies generate alternate pulses of opposite polarities. The output voltage, pulse width and the pulse frequency are all controllable through 10 turn potentiometers and switches.

Features:

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



TECHNICAL SPECIFICATIONS	
PARAMETER	**SPECIFICATION**
Input Voltage	230V ±10% AC, 50Hz, single phase for output power ≤ 2kW 415V ±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*	50W to 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 45% variable(A 10V signal is provided at the back panel for measurement with an external oscilloscope)
Mode of Operation	Pulsed or continuous
Regulating Mode	Constant voltage – Constant current
Voltage, Current, Frequency & Duty Cycle 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 3½ digit voltage, current and frequency meters 10-turn potentiometers for voltage, current, frequency and duty cycle control Selector switch for pulse mode or continuous mode selection Constant voltage – constant current mode indication Pulse mode – continuous 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 BNC connector to measure duty ratio with an external oscilloscope 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

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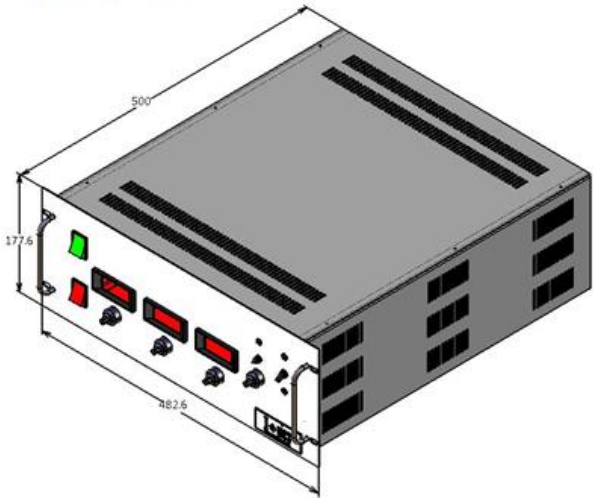
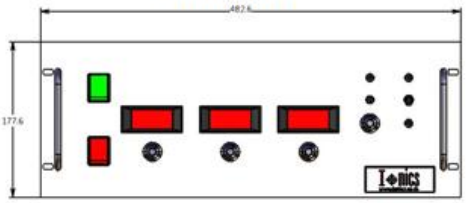
Cabinet	19” rack, powder coated, 3U to 5U depending on power rating

*Optional. To be specified by the user.

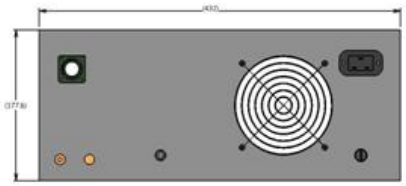
Cabinet Details:



Front Panel



Back Panel



For any queries or customization requests contact us at **info@ionics.co.in**
For product line information visit us at **www.ionics.co.in**