

This series of power supplies integrates DC power supply with pulsing components to give a compact unit for ease of operation.

#### Features:

- Pulsed & DC in Single Compact Unit
- Regulated
- Frequency & Duty Cycle Controllable
- 19" Rack Mountable
- OEM Customization Available



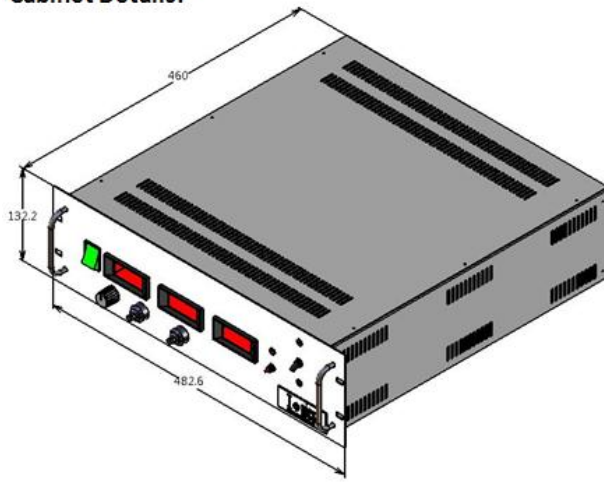
#### TECHNICAL SPECIFICATIONS

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 Range* (In pulsed mode & continuous mode)	100V DC to 800V DC
Output Power Range*	500W to 10kW
Frequency Range*	1kHz to 100kHz variable
Frequency Control Range	Minimum to maximum of rated frequency range
Duty Cycle	10 to 80%
Polarity*	Positive / Negative
Mode of Operation	Pulse / Continuous
Regulating Mode	Constant voltage- constant current (In continuous mode) Constant voltage (In pulse mode)
Regulation <ul style="list-style-type: none"> <li>• In Continuous mode</li> <li>• In Pulsed mode</li> </ul>	$\leq$ 0.1% $\leq$ 1%
Control <ul style="list-style-type: none"> <li>• Voltage</li> <li>• Frequency</li> <li>• Duty Cycle</li> </ul>	By 10-turn potentiometers on the front panel
Protections*	Against over load, over voltage, over temperature, short-circuit and arc
Front Panel	Power ON/OFF switch / MCB with indication Alphanumeric display for frequency and duty cycle 3½ digit meters to display output voltage & current Selector switch for pulse mode or continuous mode selection 10-turn potentiometers for voltage, frequency & duty cycle control Pulse mode – continuous mode indication Constant voltage- constant current mode indication Fault indications Push button for trip reset

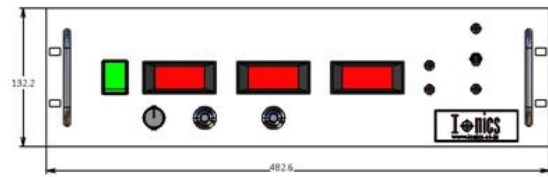
Back Panel	Socket for mains input with 250V, 10A/20A 3 conductor power cord of 1.5 meters / Terminal block for 3 phase input Fuse holder with fuse Stud for grounding the unit
Topology	PWM-controlled switch mode
Regulating Device	IGBT
Cabinet	19" rack, powder coated

\*Optional. To be specified by the user.

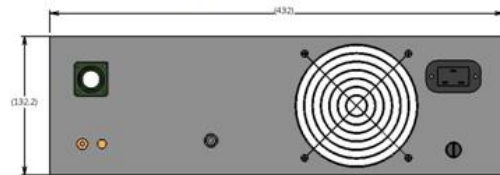
**Cabinet Details:**



**Front Panel**



**Back Panel**



For any queries or customization requests contact us at [info@ionics.co.in](mailto:info@ionics.co.in)

For product line information visit us at [www.ionics.co.in](http://www.ionics.co.in)