

This series of power supplies incorporate the high frequency switch mode technology to give precision regulated & highly stable rack mountable units with current range up to 1000A catering to a wide variety of scientific and industrial applications.

Features:

- Precision Regulated
- High Stability
- 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 Current Range*	Up to 1000A
Output Power Range*	Up to 50kW
Current Sensing	By highly stable DCCT
Polarity*	Floating / bipolar
Current Regulation	Up to 0.005% for \pm 10% variation in line and load
Ripple	Up to 0.1% rms
Stability	$<$ 0.01%/hour after 1 hour warm up
Regulating Mode*	Constant current - Constant voltage
Cooling	Forced air cooling
Current & Voltage Control*	Local: By 10-turn potentiometers on the front panel Remote : 0 to 10V DC signals for current & voltage control
Protections*	Against over voltage, over load and over temperature During faults, power supply trips and to be reset manually
Remote Controls & Signals*	10V DC Reference 0 to 10V DC signals for current & voltage control 0 to 10V DC signals for current & voltage monitoring
Front Panel	Power ON/OFF switch / MCB with indication HC ON/OFF switch with indication 3½ digit LED / 4½ digit LCD current and voltage meters* 10-turn potentiometers for current and voltage control Constant current – constant voltage 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 Terminal for HC output with bus bars depending on power rating Remote interface connector*

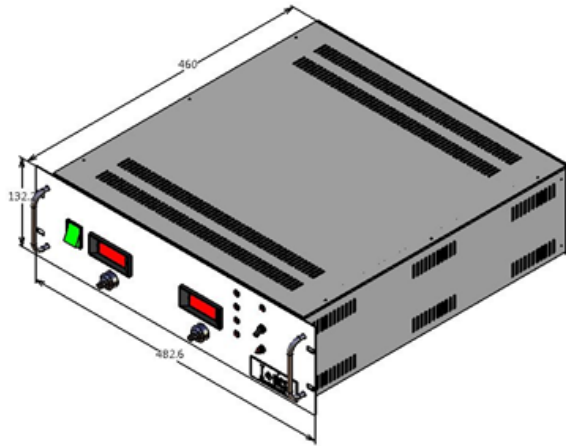
	Stud for grounding the unit
Topology	High frequency resonant / PWM-controlled switch mode
Switching Device	IGBT
Cabinet	19" rack, powder coated

*Optional. To be specified by the user.

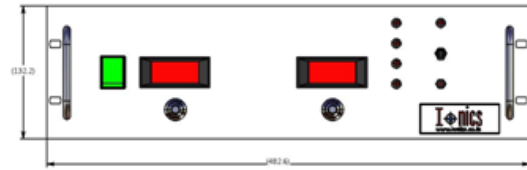
Remote Interface Connector Configuration		
Pins	28 Pin Pluggable Connector	25 Pin D Connector
1	Earth	Earth
2	Common	Common
3	Interlock	HC Enable
4	HC Enable	Voltage Control Remote
5	Reference	Current Control Remote
6	Common	Over Voltage Control Remote*
7	Voltage Control Remote	Over Current Control Remote*
8	Voltage Control Local	Common
9	Common	Voltage Monitor
10	Current Control Remote	Current Monitor
11	Current Control Local	Reserved Monitor*
12	Common	Reserved Monitor*
13	Voltage Monitor	Common
14	Current Monitor	Mode Status
15	Common	Interlock Status
16	Voltage Mode Status	HC ON Status
17	Current Mode Status	Common
18	HC ON Status	PS Fault Status*
19	Common	Over Voltage Status*
20	PS Fault Status*	Over Current Status*
21	Over Voltage Status*	Over Temperature Status*
22	Over Current Status*	Open Circuit Status*
23	Over Temperature Status*	Phase Failure Status*
24	Open Circuit Status*	Reserved Status*
25	Phase Failure Status*	Common
26	Common	
27	Over Voltage Control*	
28	Over Current Control*	

*Optional. To be specified by the user only as per application's requirement.

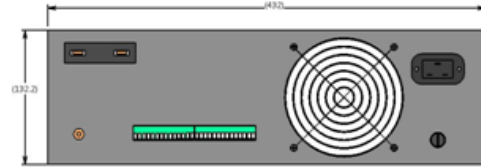
Cabinet Details:



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