

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 200A catering to a wide variety of scientific and industrial applications.

Features:

- ❖ Precision Regulated
- ❖ High Stability
- ❖ 19" Rack Mountable
- ❖ OEM Customization Available



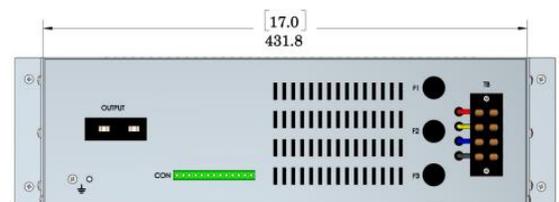
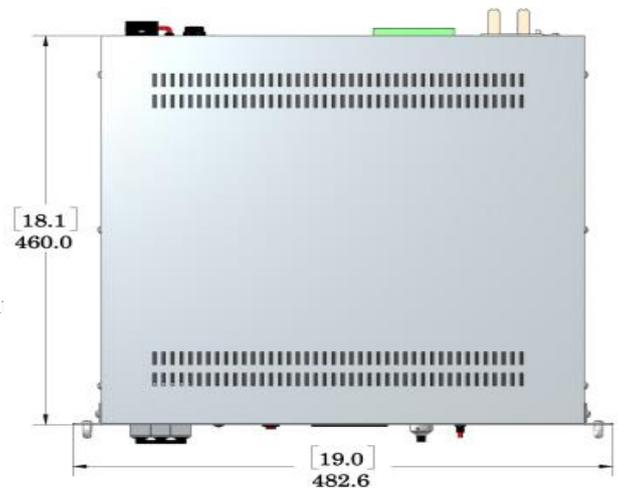
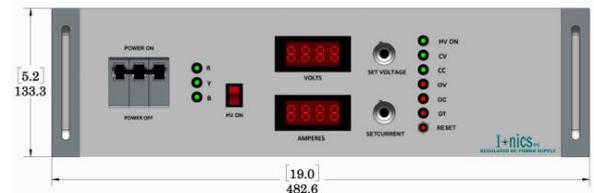
PARAMETER		SPECIFICATION
Input Voltage		415V \pm 10% A C, 50Hz, Three Phase
Output Current Range		10A to 200A
Output Power Range		2.2kW to 6kW
Current Sensing		By highly stable DCCT
Polarity		Floating
Current Regulation	Line	\leq 0.1% for \pm 10% variation in input voltage
	Load	\leq 0.5% for 0 to 100% load variation
Ripple		$<$ 0.5% rms at full load
Stability		$<$ 0.05%/hour after 1 hour warm up
Temperature Coefficient		$<$ 0.05% / $^{\circ}$ C
Regulating Mode		Constant current - Constant voltage
Cooling		Forced air cooling
Voltage & Current Control #		Local: By 10-turn potentiometers on the front panel Remote: 0 to 10V DC signals for voltage & current control; OR Control through computer interface
Protections		Against over load and short circuit
Remote Interface (Analog) through Pluggable Connector		10V DC reference 10V DC HV enable signal 0 to 10V DC signal for voltage & current control 0 to 10V DC signal for voltage & current monitoring
Optional. Remote Interface (Digital) through D-Connector (External Ethernet/RS232 Microcontroller Module) #		HV ON/OFF Voltage & current setting Voltage & current monitor
Front Panel		MCB for power ON/OFF Output ON/OFF switch with indication 3½ digit LED 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		Terminal block for 3 phase input HRC fuse holders with fuses Terminal for output Remote interface connector # Stud for grounding the unit
Topology		High frequency resonant / PWM-controlled switch mode

Switching Device	IGBT
Cabinet	19" rack, powder coated

For remote operation RS232 available at an extra cost

Remote Interface Connector Configuration		
Pins	14 Pin Pluggable Connector (Analog Interface)	25 Pin D Connector (Digital Interface)
1	Earth	Earth
2	Common	Common
3	Interlock	HV Enable
4	HV 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		Interlock Status
16		HV ON Status
17		Common
18		PS Fault Status*
19		Over Voltage Status*
20		Over Current Status*
21		Over Temperature Status*
22		Open Circuit Status*
23		Phase Failure Status*
24		Reserved Status*
25		Common

Ordering Code	HC	040	K	600	W	N	B	Y	A
	1						2	3	4
Section	Description		Options		Options Description				
1	Output Current		XXX		Value of output current				
	Output Power		YYY		Value of output power				
	Polarity		P		Positive				
			N		Negative				
	Control Mode		Default		Local control				
Input Voltage		Default		415V AC, 3 phase, 50Hz					
Additional Features (Optional)									
2	Short Circuit		A		Shut down & manual reset				
			B		Shut down & automatic restart				
			C		Constant current mode				
3	Input Voltage		Y		230V AC, 1 phase, 50Hz				
			Z		24V DC				
4	Remote Interface		A		Analog				
			D		Digital				



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



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