

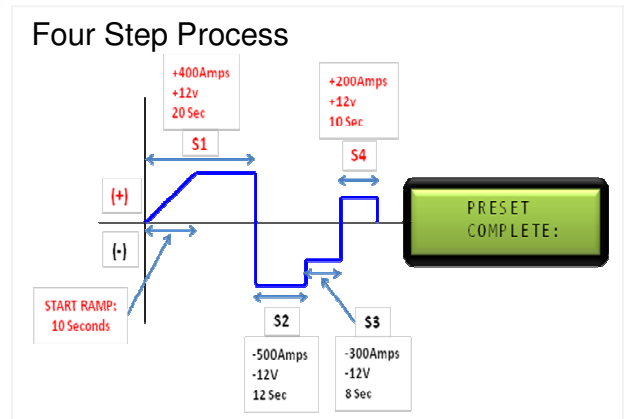
Compact lightweight units *Saves valuable floor space*

Corrosion resistant sealed chassis design (under 500Amps)
 Standard 19" 3U (5.25") aluminum chassis most units
 Standard 19" 6U (10.5") aluminum chassis on Higher Power
 High efficiency, high power factor (3 phase). *Lowers operating costs*
 Built in on/off Breaker



Fully adjustable Amps and Volts

Low Ripple DC
 Programmable Start-up Ramps
 Manual or Four Step Process
Optional Reversing Polarity



Digital interface included *Ready for Automation*

RS485 Optically isolated.

Full Amp-Hour Totalizer Controller *Accurate plating thickness control*

Selectable Amp-Hour / Amp-minute.
 Separate Amp-Hour Counter stops Rectifier

Remote Control Box available

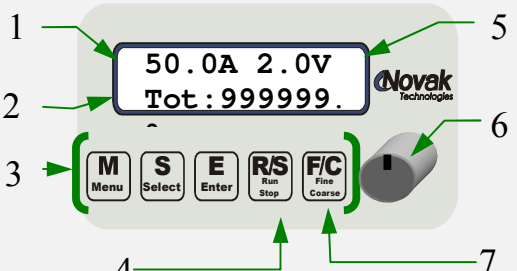
Controls and Monitors 1 to 9 DCe Power Supplies at distances over 200 feet using single cable

GENERAL SPECIFICATIONS

Regulation	Voltage mode and current mode control. Compensates for AC Line and Load variations Amps regulation 1% of rated Amps or rated volts. <u>Example</u> 100 Amp unit Regulates +/- 1 Amps
Low Ripple	Low ripple, typically less than 1% of rated voltage for 1 Phase models. 5% for 3 Phase models
Minimum Output Power	Specification apply from 5 to 100% of rated amps
Adjustments	Full control of output amps and volts.
Cooling	Forced Air with thermal sense.
Meters	Voltage: back lit LCD 4 digits Current: back lit LCD 4 digits Totalizer back lit LCD 8 digits
Amp Time Counter	Selectable Amp-Minute / Amp Hour, includes Reset control
Programmable Amp-time Preset	Selectable Amp-Minute or Amp Hour or Seconds a) Stop and Show message. At <u>End of Cycle</u> output is disabled – audible Alarm and flashing display. Requires user to re-start. b) Resume and Alert. At <u>End of Cycle</u> , counter is automatically reset, Output is NOT disabled.
Digital Interface	RS485 half Duplex digital signal interface, optically isolated. Using a <u>single</u> 2 or 3 wire bus allows a Computer or PLC to monitor and fully control 1 to 32 power supplies. Protocol MODBUS RTU.
Remote Run/Stop	Flexible. Unit can be wired by user to be Normally ON or Normally Off. Using either an Input Voltage (5 to 24VDC from PLC) or simply use a switch or relay contact.
Self-Start function	Normally should AC Power fail and then returned, unit will start in OFF mode. Unit can be configured to automatically re-start when AC Power returns and all settings will be as before Power failure.
Knob default setting	Normally to set Amps and Volts, first use Select Key then Turn Knob. This can be configured such that Turning the Knob changes Amps or configure to change Volts.
Non-volatile memory	User settings are stored and maintained with no battery or power required
Calibration	Quick & simple front panel calibration of meters for compliance to quality and government standards.
Protection	Over current, over temperature, low AC voltage.
Alarm indicators	Alarms are indicated in display, such as End of Cycle, Over-temperature, and Low AC input voltage.
Warranty	24 months for parts and labor for normal use.

Note: Specification apply from 5 to 100% of rated amps

Default Menu – Monitor and set Amps and Volts.



1. Digital Amp Meter
2. Digital Amp-Hr/Amp-Minute Meter (Selectable)
3. Function Buttons
4. Output Enable/Disable Control
5. Digital Volts Meter
6. Knob – Adjustments

Other Menus - to set features

Preset: 12345.6
Ramp: 98 s

**Amp-Time
Preset Ramps**

Tot: 1234567.8 R
Mode: Amp-Hr

Totalizer Reset

Low AC Input

Address: 12
Baud Rate 38400

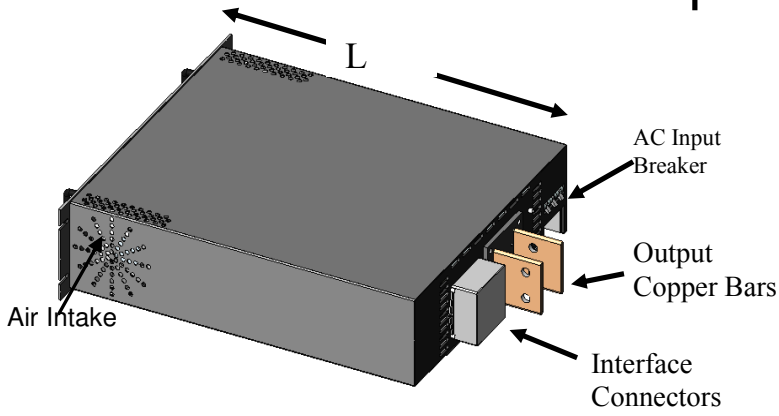
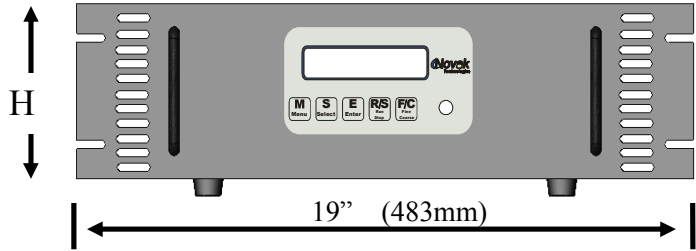
Digital interface

Calibration
#####

**Calibration
password**

Standard DCe Models	Input Power 50/60 Hz	Amps per Phase	Amps DC	Volts DC	Steps Amps	Steps Volts	Chassis	Chassis
DCe25-12-9	100-240 VAC /1 ø	4/2	25	12	0.01/0.1	0.1	A	Sealed
DCe50-12-1	120 VAC / 1 ø	11	50	12	0.1	0.1	A	Sealed
DCe50-12-2	208-240 VAC /1 ø	5	50	12	0.1	0.1	A	Sealed
DCe50-12-3	208-240 VAC /3 ø	2	50	12	0.1	0.1	A	Sealed
DCe100-10-1	120 VAC / 1 ø	16	100	10	0.1	0.1	A	Sealed
DCe100-18-2	208-240 VAC /1 ø	17	100	18	0.5	0.1	A	Sealed
DCe100-18-3	208-240VAC /3 ø	7	100	18	0.5	0.1	A	Sealed
DCe150-12-2	208-240VAC /1 ø	16	150	12	0.5	0.1	A	Sealed
DCe150-12-3	208-240VAC / 3 ø	7	150	12	0.5	0.1	A	Sealed
DCe300-12-3	208-240VAC / 3 ø	13	300	12	1	0.1	B	Conformal
DCe300-12-4	480VAC / 3 ø	6	300	12	1	0.1	B	Conformal
DCe500-12-3	208-240VAC / 3 ø	22	500	12	1	0.1	B	Conformal
DCe500-12-4	480VAC / 3 ø	10	500	12	1	0.1	B	Conformal
DCe1000-12-4	480VAC / 3 ø	19	1000	12	1	0.1	C	Conformal

PRODUCT LOOK - DIMENSIONS



Chassis	L - Length	H - Height	Aprox Weight
A	13" (330mm)	5.25" (133mm)	30 lbs 14Kg
B	21" (535mm)	5.25" (133mm)	50 lbs 23Kg
C	25 in (635mm)	10.5" (266mm)	110 lbs 50 Kg

Bus Bars and Handles not included in Length