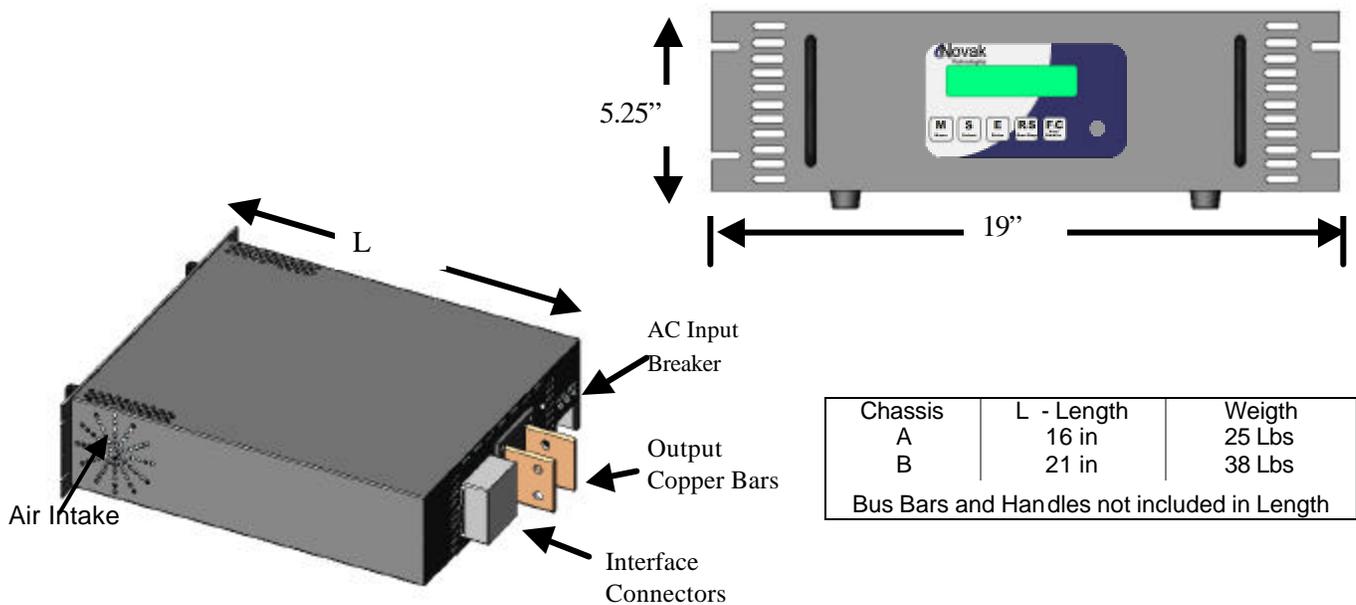


NEW GENERATION OF ELECTROPLATING POWER SUPPLIES.

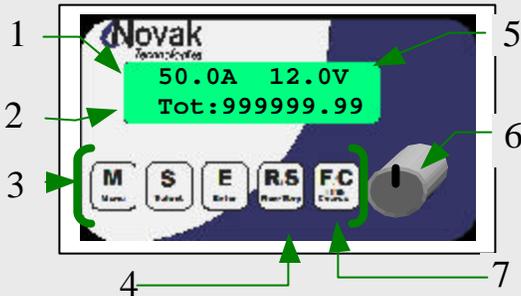
- Corrosion resistant, sealed chassis design.
- Standard 19" 3U (5.25" high) aluminum chassis.
- High efficiency, high power factor. Lowers operating costs.
- Built in on/off Breaker.
- Fully adjustable Amps, Volts.
- Low Ripple DC.
- Pulsing capability.
- Digital Interface for Automation, RS485 included. Optically isolated.
- Programable Start-up Ramps, included.
- Amp-Hour / Amp minute Totalizer.
- Amp-Hr / Amp minute Programable Preset.
- Programable for auto shut off at end of cycle or Auto-reset.
- Programable Feeder signals tied to Amp-Hr Preset.
- Compatible with Optional Remote Control Box.

PRODUCT LOOK - DIMENTIONS



CONTROLS

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
7. Fine/Course Adjustment

Standard Menus - to set features

Preset: 12345.6
Ramp: 98 s

Amp-Time Preset and Ramps

Forward 10.5mS
Off 3.5mS

Pulsing Times

Calibration
#####

Calibration
password protected

Tot: 1234567.8 R
Mode: Amp-Hr

Totalizer Reset

Address: 12
Baud Rate 38400

Digital interface

FeederA 27s
FeederB 58s

Additive Feeder

Standard DCe Models	Input Power 50/60 Hz	Amps per Phase	Amps DC	Volts DC	Steps Amps	Steps Volts	Chassis	Output connectors
DCe25/12-9	100-240VAC / 1 ϕ	4	25	12	0.01/0.1	0.1	A	Bus Bars
DCe50/12-9	100-240VAC / 1 ϕ	8	50	12	0.1	0.1	A	Bus Bars
DCe100/18-2	208-240 VAC / 1 ϕ	11	100	12	0.5	0.1	A	Bus Bars
DCe100/18-3	208-240VAC / 3 ϕ	8	100	12	0.5	0.1	A	Bus Bars
DCe150/12-2	208-240VAC / 1 ϕ	11	150	12	0.5	0.1	A	Bus Bars
DCe150/12-3	208-240VAC / 3 ϕ	8	150	12	0.5	0.1	A	Bus Bars
DCe300/12-3	208-240VAC / 3 ϕ	14	300	12	1	0.1	B	Bus Bars
DCe300/12-4	480VAC / 3 ϕ	7	300	12	1	0.1	B	Bus Bars
DCe500/12-3	208-240VAC / 3 ϕ	22	500	12	1	0.1	B	Bus Bars
DCe500/12-4	480VAC / 3 ϕ	12	500	12	1	0.1	B	Bus Bars

Note: Custom Models available upon request

GENERAL SPECIFICATIONS

Regulation	Voltage mode and current mode control. Compensates for AC Line and Load variations
Low Ripple	Low ripple, less than 1% of rated voltage
Pulsing Parameters	Programable On, Off pulse 1 to 99 milli –Seconds, 0.1 mSec steps.
Minimum Output Power	Best operation is above 5% of rated output current.
Adjustments	Full control of output amps and volts.
Cooling	Forced Air with thermal sense.
Meters	Voltage: back lit LCD 3 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 – Two modes a) Single Cycle. At <u>End of Cycle</u> output is disabled – audible Alarm and flashing display. Requires user to re-start. b) Auto-Reset. At <u>End of Cycle</u> , counter is automatically reset, Output is NOT disabled. Additive Feeder signals A and B are generated at End of of Cycle in Single-Cycle or Auto-Reset Mode.
Additive Feeder signals	Two signals are available at the interface connections. These may be used to activate two additive feeder pumps. Each signal can be programmed from 1 to 99 seconds. Signals are optically isolated - open collector.
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.
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 & voltage, over temperature, low AC voltage.
Alarm indicators	Alarms are indicated in display, esample End of Cycle, Over-temperature, Low AC input voltage.
WARRANTY	24 month parts and labor