



NATIONAL RAILWAY SUPPLY, INC.

ERB-C 120/25 BATTERY CHARGER

INTRODUCTION

The ERB-C 120/25 is a microprocessor-controlled, convection-cooled, solid-state, SCR-regulated charger that provides either a constant current or constant voltage output. It is designed to make battery charging simple and has a variety of programmable options to personalize the charge profile.



AC Input			DC Regulation		No. of Cells	Physical Size	
Voltage (volts)	Frequency (Hertz)	Current (Amps at full power)	Voltage*	Current*	Lead Acid Nickel Cadmium	Size (inches)	Weight (lbs.)
120 (105-130) 240 (210-256)	48/62 48/62	44 22	(50 - 150V)	(1 - 25A)	24 to 60 cells L.A. 34 to 92 cells Ni.Cad.	17.0W 17.0D 20.0H	156

FEATURES

STANDARD

- 4 DIGIT LED DISPLAY FOR VOLTAGE, CURRENT, TEMPERATURE AND ERROR CODE NUMBERS
- 4 BUTTON CONTROL FOR BOTH PROGRAMMING AND DISPLAY READOUTS
- AC INPUT BREAKER: 63 AMP FOR 120 VAC, 32 AMP FOR 240 VAC
- DC OUTPUT BREAKER: 40 AMP
- AC SURGE PROTECTION UP TO 3600 VOLTS
- AC AND DC SURGE PROTECTION
- PROGRAMMABLE EQUALIZING (0-96 HRS.)
- HIGH DC VOLTAGE SHUT-DOWN
- REVERSE POLARITY PROTECTION
- FRONT PANEL CONTROLS CAN BE DISABLED FOR SECURITY
- MOV SURGE SUPPRESSORS
- CRS POLYESTER POWDERCOAT FINISH
- WALL MOUNT, FLOOR STAND OR FITS 19" STANDARD RACK
- ALL SOLID STATE

- CHARGES FLOODED LEAD ACID, NI-CAD, NICKEL-IRON AND ALL VRLA
- PROGRAMMABLE DC OUTPUT VOLTAGE 50V TO 150V
- PROGRAMMABLE CELL COUNT, DC AMPERAGE, TEMPERATURE COMPENSATION AND BATTERY EQUALIZATION
- PRECISE CONTROL OF DC OUTPUT VOLTAGE AND AMPERAGE
- REMOTE BATTERY VOLTAGE SENSING
- OVER TEMPERATURE PROTECTION
- TEMPERATURE IN CELSIUS OR FAHRENHEIT
- ALARM WITH LED'S AND SUMMARY RELAY CONTACT FOR AC FAILURE, DC FAILURE, HIGH Vdc, LOW Vdc
- ALARM CONTACTS FOR THE ABOVE ALARMS. BOTH NORMALLY CLOSED OR NORMALLY OPEN DRY CONTACTS FOR FAULT INDICATION
- TEMPERATURE COMPENSATION VIA REMOTE PROBE (10 FT.)

- 3000 VAC ISOLATION TO CASE
- -40 TO 70 DEGREES C OPERATING TEMPERATURE
- FULLY ISOLATED COMMUNICATION INTERFACE (300-9600 BAUD RATE)
- REMOTE COMMUNICATION ACCESS IS PASSWORD PROTECTED
- OUTPUT CHARGE DATA TO A SERIAL PRINTER
- PROGRAMMABLE LOCATION CODE FOR CHARGER IDENTIFICATION (8 DIGIT ALPHANUMERIC NUMBER)
- CHARGE STATUS SAVED IN LOGFILE
- DATA LOGFILE SAVED UP TO ONE MONTH WITHOUT AC POWER

OPTIONS/ACCESSORIES

- OUTPUT FILTER FOR 30m Vrms RIPPLE
- 30 FT. TEMPERATURE PROBE

National Railway Supply, Inc.
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