

EHY Series Conventional Battery Chargers



Features & Benefits:

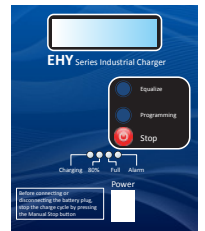
- High efficiency precise charge control
- All U.S. models are energy-saving (CEC-compliant)
- For Conventional charging applications

Description:

The EHY family of revolutionary battery chargers is based on an architecture of high efficiency, and software-defined charge control for flooded-cell industrial batteries.

When used with Lead-Acid batteries, the ultra-filtered output current and the unique control algorithm ensure a perfect mixing of the electrolyte, while reducing the water consumption and the temperature rise of the battery, as well as the energy consumption.

The EHY products are controlled by a central microprocessor, complete with intelligent alphanumeric display & keypad. The display can query many charger parameters including Charge History Logger, Programmable Real-Time Clock and Calendar, and Audible Alarms.



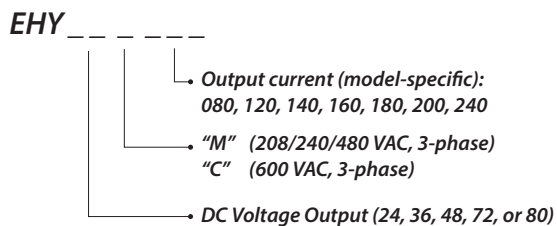
Summary Specifications:

- 3-phase AC operation
- Multi-voltage inputs
- CEC-compliant
- 24-80 VDC outputs
- 80-240 A outputs

MECHANICAL AND ENVIRONMENTAL

AC line voltages	Three-phase 208, 240, 480, or 600 VAC $\pm 10\%$ Frequency 60 Hz ± 5 Hz	
Efficiency	>90% (*)	
Power Factor	Three-phase models >97%	
DC Output Voltages	Nominal battery voltages: 24, 36, 48, 72, and 80 VDC	
DC Output Current	80, 120, 140, 160, 180, 200, 240 A	
Charging profile	Modified WS a profile Programmable Weekly Equalization/Maintenance Mode Programmable off-peak energy hours	
MECHANICAL AND ENVIRONMENTAL		
DIMENSIONS	Cabinet sizes are dependent on the charger output DC current. Your GNB representative can identify the specific cabinet model once charger order parameters are selected.	
W x D x H in (mm)	EHY1: 19.9 x 14.1 x 27.2 (505 x 357 x 692) EHY2: 19.9 x 17.4 x 35.5 (505 x 442 x 901)	
ENCLOSURE TYPE	Steel enclosure powder-coat paint; rack mount	
COOLING	FORCED VENTILATION with active fan control	
AUDIBLE NOISE	<65 dBA at 1 meter	
ENVIRONMENTAL PROTECTION	IP21 (Standard)	
AMBIENT TEMPERATURE	OPERATION: -10 / +50 °C STORAGE: -20 / +70 °C	
CONNECTIVITY	Integrated Data-logger (200 cycles)	
STANDARDS		
Standards	UL 1564 "Industrial Battery Chargers" CSA 22.2 107.2-01 "Battery Chargers"	
MARKING	CEC	

ORDERING INFORMATION



Example:
EHY36M220

Not all configuration combinations are available; your GNB salesperson will validate your needs and exact product configuration when preparing a quotation.