

EHY Series Conventional Battery Chargers



Features & Benefits:

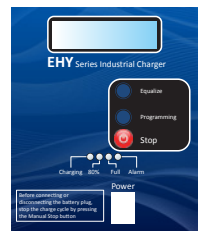
- High efficiency precise charge control
- Most U.S. models are energy-saving (CEC-compliant)*
- For Conventional charging applications

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:

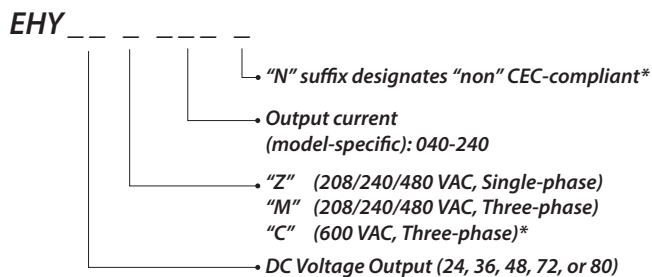
- Single-phase and three-phase AC operation
- Multi-voltage inputs
- Most models are CEC-compliant*
- 40-240 A outputs

* "C" voltage designations and "N" suffix designations indicate "non" CEC-compliant.

TECHNICAL INFORMATION

AC line voltages	Single-phase 208, 240, or 480 VAC ±10% Frequency 60 Hz ± 5 Hz	Three-phase 208, 240, 480, or 600 VAC ±10% Frequency 60 Hz ± 5 Hz
Efficiency	CEC Compliant models >90%	
Power Factor	Single-phase models >90%	Three-phase models >97%
DC Output Voltages	Nominal battery voltages: 24, 36, 48, 72, and 80 VDC	
DC Output Current	40-240 A	
Charging profile	Modified WSa profile Optional profile for Tubular LMX 90-day watering interval Programmable Weekly Equalization/Maintenance Mode Programmable off-peak energy hours	
MECHANICAL AND ENVIRONMENTAL		
Dimensions 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)	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.
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:
EHY36M200

* "C" voltage designations and "N" suffix designations indicate "non" CEC-compliant.

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