

EHI Series Universal Battery Chargers



Features & Benefits:

- Optimized charge profiles (all battery types)
- All models are energy-saving (CEC-compliant)
- For Opportunity/Fast charge (and conventional) uses

Description:

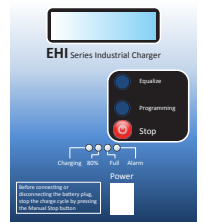
The EHI family of revolutionary battery chargers is based on an architecture of high efficiency, unity power factor (PFC), and software-defined charge control for flooded-cell and valve-regulated industrial batteries.

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 charging curve is pre-programmed for each battery type.

The EHI 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.

The EHI connectivity package provides wireless communication with the Battery Identification Modules.



Summary Specifications:

- Multiple DC current capacities
- 50A to 320A output current
- Selectable DC output voltages
- Configurable Single-phase and 3-phase AC power
- CEC-compliant

MECHANICAL AND ENVIRONMENTAL

AC line voltages	Single Phase 85-265 VAC (auto-detect) Three phase 208, 240, 480, and 600 VAC ±10% Frequency 50/60 Hz ± 5 Hz
Efficiency	>92% (*)
Power Factor	Single-phase models >90% (*) Three-phase models >97% (*)
DC Output Voltages	Nominal battery voltages from 24V to 80 VDC
DC Output Current	From 50 to 320 amps
Charging profile	Completely programmable, can support batteries of any type, voltage, capacity Programmable Weekly Equalization/Maintenance Mode Programmable off-peak energy hours

MECHANICAL AND ENVIRONMENTAL

DIMENSIONS W x D x H in (mm)	EHI1: 8.2 x 9.0 x 25.4 (207 x 228 x 646) EHI2: 12.6 x 9.6 x 26.2 (321 x 244 x 666) EHI3: 14.8 x 15.0 x 27.9 (375 x 381 x 708) EHI4: 19.9 x 17.4 x 35.5 (505 x 442 x 901) EHI5: 25.7 x 26.0 x 22.6 (654 x 661 x 575)	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; wall mount or 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	Compatible with wireless Battery Identification Modules (BMOD-T / BMOD-3T) Integrated Data-logger (200 cycles) Extended Data-logger (600 cycles) with USB port (Optional) Wireless card (Optional)	

STANDARDS

Standards	UL 1564 "Industrial Battery Chargers" CSA 22.2 107.2-01 "Battery Chargers"
MARKING	CEC

ORDERING INFORMATION

EHI MV _____

- "070 to 320" (Output current)
- "S" (single phase, auto-detect 85 - 265 VAC)
- "L" (208/240 VAC, 3-phase)
- "H" (480 VAC Only, 3-phase)
- "M" (208/240/480 VAC, 3-phase)
- "C" (600 VAC, 3-phase)
- "48" (208/240/480 VAC for 24, 36, 48V outputs)
- "80" (208/240/480 VAC or 600 VAC, 3-phase input for all DC outputs)

Only the IGBT Models (chargers where the 6th & 7th characters are "80" are available with 600VAC.

**Example:
EHIMV80H320**

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