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 500A 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                            | >90%  
| 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 500 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

| 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

**Example:**

```
EHIMV48L200
```

Example:


**EHIMV48L200**

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

888-563-6300  
www.gnb.com  
GB5020 2017-03