



STRYTEN ENERGY

M-SERIES

EHI >>>

The Stryten Energy 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.



THE ENERGY TO CHALLENGE >>>

FEATURES AND BENEFITS

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

When used with lead 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 and 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.

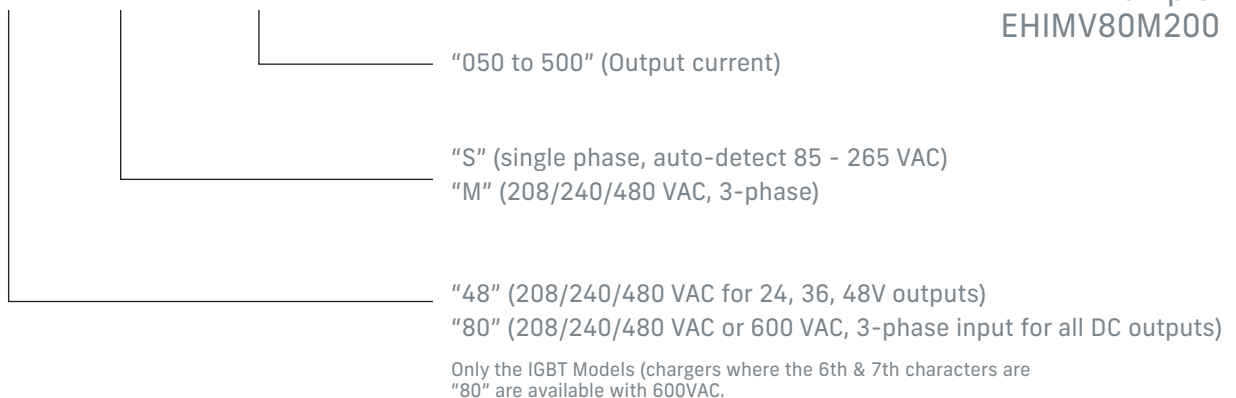
SUMMARY SPECIFICATIONS:

- Multiple DC current capacities
- 50A to 500A output current
- Selectable DC output voltages
- Configurable Single-phase and 3-phase AC power
- CEC-compliant



ORDERING INFORMATION

EHI MV



MECHANICAL AND ENVIRONMENTAL

AC line voltages	<ul style="list-style-type: none">• Single-phase 85-265 VAC (auto-detect)• Three-phase 208, 240, 480, and 600 VAC $\pm 10\%$• Frequency 50/60 Hz ± 5 Hz
Efficiency	>90%
Power Factor	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Completely programmable, can support batteries of any type, voltage, capacity• Programmable Weekly Equalization/Maintenance Mode• Programmable off-peak energy hours
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	<ul style="list-style-type: none">• OPERATION: -10 / +50 °C• STORAGE: -20 / +70 °C
Connectivity	<ul style="list-style-type: none">• 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

The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

Learn more at www.stryten.com

