STRYTEN ENERGY

M-SERIES

EHY

The Stryten Energy EHY family of battery chargers is based on an architecture of high efficiency, and software-defined charge control for flooded-cell industrial batteries. These 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 ENERGY TO CHALLENGE

STRYTEN ENERGY

M-SERIES | EHY | CONVENTIONAL BATTERY CHARGERS

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 Stryten M-Series T310 90-day watering interval Programmable Weekly Equalization/Maintenance Mode Programmable off-peak energy hours	

MECHANICAL AND ENVIRONMENTAL INFORMATION		
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 Stryten 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	
History	Integrated Data-logging (250 cycles)	

STANDARDS	
Standards	UL 1564 “Industrial Battery Chargers” CSA 22.2 107.2-01 “Battery Chargers”
Marking	CEC

FEATURES

- High efficiency precise charge control
- Ultra-filtered output current and the unique control algorithm ensure a perfect mixing of the electrolyte
- Most U.S. models are energy-saving (CEC-compliant)
- For conventional charging applications

SUMMARY SPECIFICATIONS

- Single-phase and three-phase AC operation
- Multi-voltage inputs
- 40-240 A outputs

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***