STRYTEN ENERGY

M-SERIES

EHF



The Stryten Energy EHF Series provides a multi-curve range for standard flooded, low-maintenance flooded and low-maintenance valve-regulated batteries. This smart charger includes multiple algorithms appropriate for our M-Series T300, T310, T330, F100 and F110 batteries.

THE ENERGY TO CHALLENGE

EHF MODEL AND PERFORMANCE MATRIX

MODEL NUMBER	DC VOLTS	DC AMPS	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480V (±10%)	WEIGHT (LBS) (±10%)	CABINET SIZE
EHF24T40	24	40	260	3	1.8	55	G1
EHF24T70		70	475		3.1		
EHF24T90		90	600		4.0		
EHF24T110		110	750		4.9		
EHF24T130		130	865		5.8		
EHF24T150		150	1000-1500*		6.6		

MODEL NUMBER	DC VOLTS	DC AMPS	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480V (±10%)	WEIGHT (LBS) (±10%)	CABINET SIZE
EHF36T40	36	40	260	3	2.7	55	G1
EHF36T70		70	475		4.6		
EHF36T90		90	600		6.0		
EHF36T110		110	750		7.3		
EHF36T130		130	865		8.6		
EHF36T150		150	1000		10.0		
EHF36T180		180	1200		12.0	142	G2
EHF36T220		220	1450		14.7		
EHF36T240		240	1600		16.0		

MODEL NUMBER	DC VOLTS	DC AMPS	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480V (±10%)	WEIGHT (LBS) (±10%)	CABINET SIZE
EHF48T40	48	40	260	3	3.5	55	G1
EHF48T70		70	475		6.2		
EHF48T90		90	600		8.0		
EHF48T110		110	750		9.7		
EHF48T130		130	865		11.5		
EHF48T150		150	1000		13.3	60	
EHF48T180		180	1200		16.0	142	G2
EHF48T220		220	1450		19.5		
EHF48T240		240	1600		21.3		

MODEL NUMBER	DC VOLTS	DC AMPS	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480V (±10%)	WEIGHT (LBS) (±10%)	CABINET SIZE
EHF72T40	72	40	260	3	5.3	60	G1
EHF72T70		70	475		9.3		
EHF72T90		90	600		11.9		
EHF72T100		100	750-1000*		13.3		

MODEL NUMBER	DC VOLTS	DC AMPS	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480V (±10%)	WEIGHT (LBS) (±10%)	CABINET SIZE
EHF80T40	80	40	260	3	5.9	60	G1
EHF80T70		70	475		10.3		
EHF80T90		90	600		13.3		
EHF80T100		100	750-1000*		14.8		

CABINET SIZE	WIDTH (IN)	DEPTH (IN)	HEIGHT (IN)
G1	16.26	13.5	20.25
G2	19.17	23.23	29.33
G3	19.17	23.23	47.95
G4	36.69	28.00	32.04

EMC / ESS MODEL AND PERFORMANCE MATRIX

MODEL NUMBER EMC OR ESS (ADD PREFIX)	DC VOLTS	DC AMPS @ 2.40VPC	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480VAC (±10%)	WEIGHT (LBS)	CABINET SIZE	
							EMC	ESS
24T40-4	24	40	260	3	7.2	209	G3	G4
24T70-4	24	70	475	3	12.4	209	G3	G4
24T90-4	24	90	600	3	16.0	209	G3	G4
24T110-4	24	110	750	3	19.6	226	G3	G4
24T130-4	24	130	865	3	23.2	226	G3	G4
24T150-4	24	150	1000 - 1500*	3	26.4	226	G3	G4

MODEL NUMBER EMC OR ESS (ADD PREFIX)	DC VOLTS	DC AMPS @ 2.40VPC	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480VAC (±10%)	WEIGHT (LBS)	CABINET SIZE	
							EMC	ESS
36T70-4	36	70	475	3	18.4	226	G3	G4
36T90-4	36	90	600	3	24.0	226	G3	G4
36T110-4	36	110	750	3	29.2	226	G3	G4
36T130-4	36	130	865	3	34.4	226	G3	G4
36T150-4	36	150	1000 - 1500*	3	40.0	226	G3	G4

MODEL NUMBER EMC OR ESS (ADD PREFIX)	DC VOLTS	DC AMPS @ 2.40VPC	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480VAC (±10%)	WEIGHT (LBS)	CABINET SIZE	
							EMC	ESS
48T70-4	48	70	475	3	24.8	226	G3	G4
48T90-4	48	90	600	3	32.0	226	G3	G4
48T110-4	48	110	750	3	38.8	226	G3	G4
48T130-4	48	130	865	3	46.0	226	G3	G4
48T150-4	48	150	1000 - 1500*	3	53.2	235	G3	G4

MODEL NUMBER EMC OR ESS (ADD PREFIX)	DC VOLTS	DC AMPS @ 2.40VPC	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480VAC (±10%)	WEIGHT (LBS)	CABINET SIZE
EMC72T40-4	72	40	260	3	21.2	235	G3
EMC72T70-4	72	70	475	3	37.2	235	G3
EMC72T90-4	72	90	600	3	47.6	235	G3
EMC72T100-4	72	100	750 - 1000*	3	53.2	235	G3

MODEL NUMBER EMC OR ESS (ADD PREFIX)	DC VOLTS	DC AMPS @ 2.40VPC	CAPACITY RANGE, C6 RATED AH	PHASE	INPUT CURRENT @ 480VAC (±10%)	WEIGHT (LBS)	CABINET SIZE
EMC80T40-4	80	40	260	3	23.6	235	G3
EMC80T70-4	80	70	475	3	41.2	235	G3
EMC80T90-4	80	90	600	3	53.2	235	G3
EMC80T100-4	80	100	750 - 1000*	3	59.2	235	G3

* Recharge times may be longer than 8 hours

STRYTEN ENERGY

M-SERIES | EHF | MULTI VOLTAGE INDUSTRIAL CHARGERS

FEATURES

Cost Savings

Greater efficiency of power conversion compared to other technologies results in reduced power consumption and reduced energy costs.

Reduced maximum input currents allow for reduced circuit breaker, cabling and distribution equipment sizes.

Light and Compact

Advanced patented monocoque heat sink arrangement facilitates efficient cooling, enabling reduced size and weight. Handling and installation costs are therefore lower.

Multi-Profile

With the EHF Series, you can recharge a wide range of battery capacities of different technologies, flooded or valve regulated.

Efficiency Optimization

The charger ensures that the charging current and voltage remain constant during any mains fluctuations, guaranteeing a constant and optimized charge.

End of charge is detected by the change in voltage over the change in time measure (dV/dt) to avoid risk of under charge or over charge.

Multi Language

High Resolution LCD Display provides detailed information on the screen in seven selectable languages, including Danish, Dutch, English, French, German, Spanish and Swedish.

Cycle History

Data archive available from front panel detailing recharge information from last 250 cycles, including charts from last 15 recharges viewable on the LCD screen.

Rugged Case

Sturdy steel cabinet with powder coat finish. Designed for rack and wall mounting.

Technology

Utilizes space saving Planar Transformer design with ferrite core. Zero Volt Switching (ZVS) technology coupled with the latest MOSFET technology results in very high efficiency.

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***

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