

Express[®]

Fast charge solutions that WORK!

MEASURE  POWER  REPORT  SUPPORT



eMAX HF[®]

Efficiency and Flexibility Redefined

Packed with the latest innovations in high frequency fast charging, the eMAX HF[®] charger has been engineered to provide the highest level of efficiency in an amazingly compact size. With its lightweight space saving design, the eMAX HF charger will:

- Make installation easy and inexpensive
- Give you the choice of a floor stand or low-profile wall mount
- Open up valuable floor space throughout your facility

Drivers simply drive up and plug in – the eMAX HF charger does the rest, automatically keeping your battery fleet charged and equalized.

PART OF THE ZERO BATTERY CHANGESM SOLUTION



eMAX HF®

eMAX HF Model Numbers		HF 10	HF 15	HF 20	HF 20SC ¹	HF 30
Output Power Rating (xx kW)	Output Voltage Range	10kW	15kW	20kW	20kW	30kW
eMAX HF xx ² -48	24	320	320	640	320	640
	36	230	320	460	320	640
	48	170	260	340	320	520
eMAX HF xx ² -80	72	N/A ³	N/A ³	230	230	340
	80	N/A ³	N/A ³	210	210	310
Input Amperage @ 480VAC	480VAC, 60Hz, 3 Phase	14	21	28	28	41
Input Amperage @ 600VAC w/Voltage Conditioning Module ⁴	600VAC, 60Hz, 3 Phase	11	17	22	22	33
Recommended Min AC Breaker @ 480VAC (Amps)		20	30	30/40 ⁵	30/40 ⁵	55
Recommended Min AC Breaker @ 600VAC (Amps)		15	25	30	30	45
Input Voltage Tolerance	480VAC +/- 10%, 600VAC +/- 10%					
Efficiency	92%					
Power Factor	0.95					
Control	Manual to fully automated control of charge, finish and equalization					
Operating Temperature	32°F to 104°F (0°C to 40°C)					
Enclosure	NEMA 1					
Display	Backlit LCD					
Certifications	TUV/cTUV certified to UL® 1564; certified to California Energy Commission (CEC) requirements					
Data Capability	Charge event data uploaded via Bluetooth® or ExpressLink™					
Weight	10/15kW: 75 lbs (without cable ⁶), 20/30kW: 110 lbs (without cable ⁶)					
Dimensions W x D x H (inches)	18.0" x 11.0" x 24.0"					
Warranty	3 years parts and labor					

¹ eMAX HF20SC is a single cable version of the 20kW charger

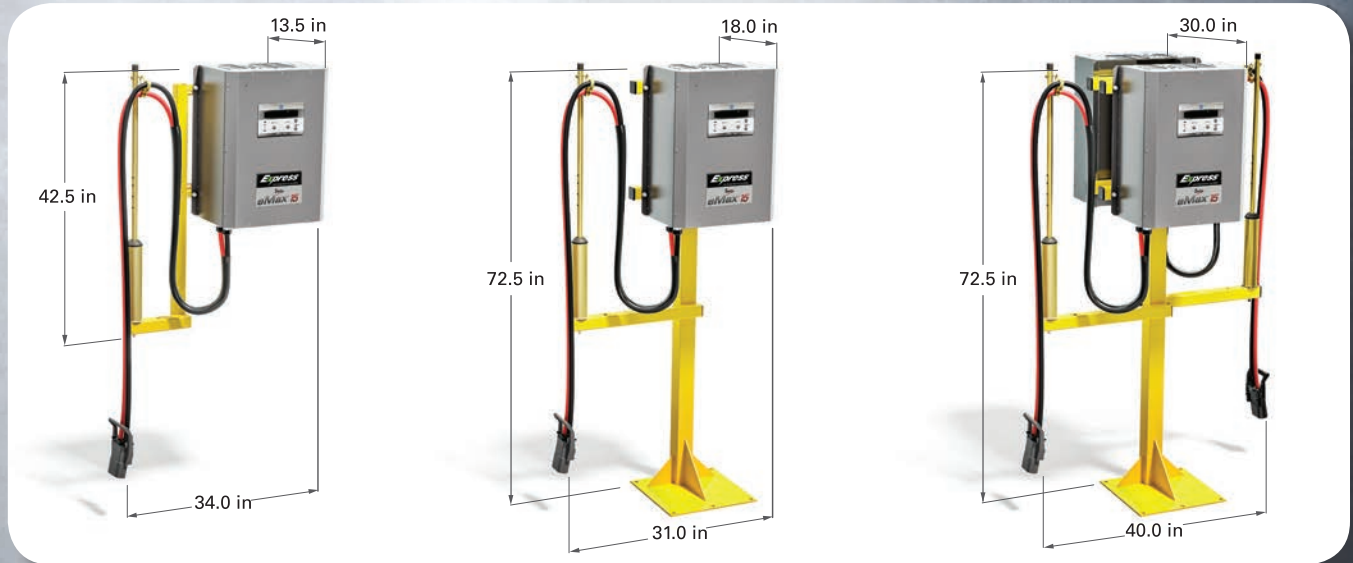
² xx denotes output power per station (xx= 10, 15, 20, or 30kW power ratings)

³ 80/72VDC output not available for 10 & 15kW units. For 80/72VDC in 10/15kW see Express® TwinMAX®

⁴ 600VAC installations require the purchase of external voltage conditioning module to step down the voltage to 480VAC - best option is to install 480VAC infrastructure if possible

⁵ Can use the smaller value on existing infrastructure (NEC permissible due to the short period of maximum load) provided circuit breaker or fuse is extended delay type, but install larger value with new installations for NEC recommended 125% nominal

⁶ Cables add approximately 50 lbs



Each eMAX HF charger is available with your choice of a compact wall or convenient floor mounted stand. Space saving dual floor stands are available – ask your Express representative for details.

EnerSys®

Power/Full Solutions

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