



FAST CHARGE SOLUTIONS THAT WORK!

# TwinMAX<sup>®</sup> 10/15 DUAL OUTPUT FAST CHARGER

## FEATURES

Simultaneously charges two batteries at up to 320 amps

Power sharing

IGBT power control

Intelligent

Programmable

Data analysis

## BENEFITS

Eliminates battery changes. Vehicles can operate with only one battery through multiple shifts for higher productivity and lower cost of operation.

Automatically increases output when only one vehicle is charging.

High efficiency and power factor reduces electrical infrastructure and operating costs.

Automatically recognizes battery size, voltage and state of charge via battery data module to optimize charger output.

Easy to configure for customized applications.

Wireless communication capability built into every charger. Access fleet data via PDA, PC, internal network or the Web.



**FAST CHARGE SOLUTIONS THAT WORK!** Express fast chargers are designed for the most demanding electric vehicle applications and supported by the industry's largest service network. When packaged with an Express battery, you have the leading fast charge system available, backed by the industry's best warranty.



All Express chargers include a stand and cable management.

## **Express** TWINMAX® FAST CHARGER

MODELS	TWINMAX 10	TWINMAX 15
MAXIMUM OUTPUT POWER PER UNIT	20 kW	30 kW
MAXIMUM OUTPUT POWER PER CHARGING STATION	10 kW	15 kW
MAXIMUM OUTPUT CURRENT PER STATION @ 24V	250 Amps	320 Amps
@ 36V	250/215* Amps	320 Amps
@ 48V	200/165* Amps	320/260* Amps
@ 80V	120/100* Amps	180/150* Amps

\*Power sharing feature: Max current value for single vehicle charging/ Max current value for dual vehicle charging.

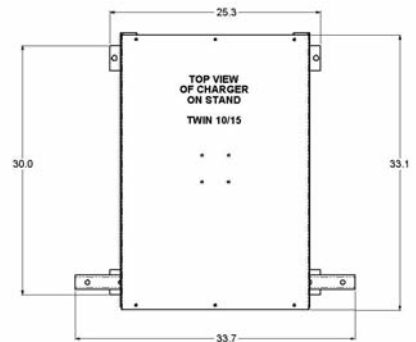
### UTILITY REQUIREMENTS

480VAC, 60HZ, 3Ø (MAX DRAW)	29 Amps	43 Amps
600VAC, 60HZ, 3Ø (MAX DRAW)	23 Amps	34 Amps

Recommended breaker: Square D type EDB or equivalent. Recommended fuse: Bussmann type FRSR or equivalent.

### BOTH MODELS

EFFICIENCY	92%
POWER FACTOR	0.95
COMPATIBLE BATTERY TYPE	Lead acid-flooded cell, 24 to 80 volts
POWER DEVICE	IGBT
CONTROL	Manual to fully automatic control of charge, finish and equalization
OPERATING TEMPERATURE	32° TO 104° F (0° TO 40° C)
ENCLOSURE	NEMA 1
DISPLAY	Backlit LCD
CERTIFICATIONS	UL/cUL
NETWORK CAPABILITY	Yes
WEIGHT	460 lbs      570 lbs
DIMENSIONS W X D X H (IN)	22½ x 33 x 27½
WITH STAND W X D X H (IN)	33¾ x 33 x 62
WARRANTY	2 years parts and labor on electronic components 5 years parts only on diodes and IGBT 10 years parts only on main transformer



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