



FAST CHARGE SOLUTIONS THAT WORK!

# UniMAX<sup>®</sup> 20/30 SINGLE OUTPUT FAST CHARGER

## FEATURES

Charges batteries at up to 640 amps

IGBT power control

Intelligent

Programmable

Data analysis

## BENEFITS

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

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. Dual stands are available.

## **Express** UNIMAX® FAST CHARGER

MODELS	UNIMAX 20	UNIMAX 30
MAXIMUM OUTPUT POWER	20 kW	30 kW
MAXIMUM OUTPUT CURRENT		
@ 24V	500 Amps	640 Amps
@ 36V	430 Amps	640 Amps
@ 48V	325 Amps	520 Amps
@ 80V	200 Amps	300 Amps

UTILITY REQUIREMENTS	UNIMAX 20	UNIMAX 30
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
DIMENSIONS W X D X H (IN)	22½ x 33 x 27¾
WITH STAND W X D X H (IN)	34 x 33 x 62
WITH DOUBLE STAND W X D X H (IN)	44½ x 33 x 76¾
WARRANTY	2 years parts and labor on electronic components 5 years parts only on diodes and IGBT 10 years parts only on main transformer

570 lbs

