



TRACTION BATTERY CHARGER



Unit Shown:
MXM-20-12V

The MXM utilizes Microprocessor Controlled High Frequency charging technology specifically developed for Motive Power applications including Golf Carts and Industrial Vehicles Batteries. Preprogrammed battery profile configurations allow for charging VRLA (Gel, AGM) and Flooded batteries at optimal rates along with filtered levels for extended battery life. Configurations and monitoring are done through the user friendly menu and LCD Display.

MXM is versatile and provides high power with high efficiency in a small package for 24V, 36V and 48VDC charging applications. Available temperature compensation allows for further increased longevity of the batteries and equipment.

Standard Features

- Microprocessor Controlled High Frequency Charging Technology
- Single Phase AC Input 102-264VAC, 45-65Hz
- AC and DC Cable Connectors and Clamps
- LCD Digital Voltmeter & Ammeter
- Input and Output Fuses
- On/Off Switch with Disable Option
- AC Voltage Metering
- Audible Charger Failure Alarm with LED Indicator and Form "C" Dry Type Relay Contacts
- Battery Profile Configuration
- Opportunity Charging

- Zero Volt Starting
- Auto/Manual Equalization
- Filtered Output for VRLA Batteries
- NEMA Type 1 Protection
- Corrosion Resistant Enclosure
- 2 Year Warranty

Optional Accessories

- Custom Battery Cable
- Battery Temperature Sensor

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Model Number Chart

	Model Number	AC Input (100% load)		DC Output Amps	Overall Dimensions W x D x H	Case No.	Net Weight*	
		Volts (Nominal)	Amps				lbs	kgs
24 Volts	MXM-20-24V	120 / 240	5.1 / 2.6	20	9.63 x 4.58 x 16.30 in	102MH	14	30.9
	MXM-30-24V	120 / 240	7.6 / 3.8	30	9.63 x 4.58 x 16.30 in	102MH	14	30.9
	MXM-50-24V	120 / 240	12.7 / 6.4	50	9.63 x 8.36 x 16.30 in	105MH	27.7	61.1
	MXM-60-24V	120 / 240	15.2 / 7.6	60	9.63 x 8.36 x 16.30 in	105MH	27.7	61.1
	MXM-80-24V	120 / 240	20.3 / 10.2	80	13.63 x 8.36 x 18.20 in	108MH	41	90.4
	MXM-90-24V	120 / 240	22.8 / 11.4	90	13.63 x 8.36 x 18.20 in	108MH	41	90.4
36 Volts	MXM-20-36V	120 / 240	7.7 / 3.9	20	9.63 x 4.58 x 16.30 in	102MH	14	30.9
	MXM-40-36V	120 / 240	15.4 / 7.7	40	9.63 x 8.36 x 16.30 in	105MH	27.7	61.1
	MXM-60-36V	120 / 240	23.1 / 11.6	60	13.63 x 8.36 x 18.20 in	108MH	41	90.4
48 Volts	MXM-20-48V	120 / 240	10.3 / 5.2	20	9.63 x 8.36 x 16.30 in	105MH	27.7	61.1
	MXM-40-48V	120 / 240	20.6 / 10.3	40	13.63 x 8.36 x 18.20 in	108MH	41	90.4

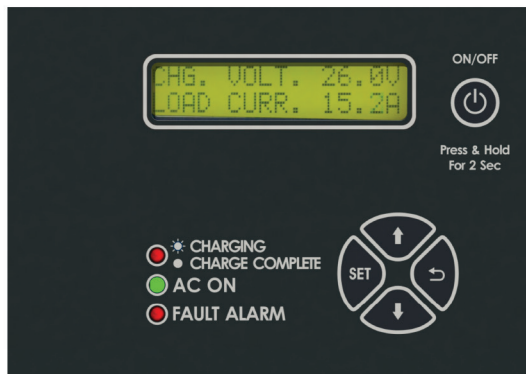
*Weight does not include shipping packaging

Charger Specifications

- AC Input**
 Wide AC Input Range 102-264VAC
 Single Phase 45 - 65 Hz
- DC Output**
 20 - 90A / 24V
 20 - 60A / 36V
 20 - 40A / 48V
- Line Regulation**
 ±10%
- Efficiency**
 >85%
- Power Factor**
 >0.95
- Load Regulation**
 <±0.5%
- Input Protection**
 Fuse with Surge and Transient Protection
 AC Over Voltage Protection
- Output Protection**
 Current Limit Protection
 Fuse with Surge Protection
 Reverse Current Polarity
 Thermal Protection

- LED Indicators**
 AC On
 Charging
 Cycle Complete
 Error/Fault
 - Alarm Contacts**
 Charger Failure
 - Metering**
 LCD DC Output Digital Voltmeter and Ammeter (1%)
 - Environmental**
 Operating: -40° to 50°C (-40° to 122°F) (Derated up to 70°)
 Storage: -40° to 85°C (-40° to 185°F)
 Relative Humidity: 0 to 95% non condensing
 - Mounting**
 Wall mounting
 - Cable Entry**
 Bottom
 - Finish**
 Powder coated aluminum enclosure (corrosion resistant)
 - Standards****
 UL 1564
 CUL
 CEC
 CE
- ** pending

Front Display



Model Number Nomenclature

