



Manufacturer of Quality Power Products

## MCX/ICX SERIES INVERTER - CHARGER

- 2000 WATT INVERTER
- 750-1000 WATT / 3 STATE CHARGER
- COMPACT
- LIGHTWEIGHT
- OPTIONAL REMOTE CONTROL / DISPLAY
  - ADJUSTABLE CHARGING RATE AND VOLTAGE LEVELS
  - VIEW SYSTEM STATUS
- MADE IN THE USA



The MCX/ICX Series of Exeltech inverter/charger combines the industry leading size and weight of the XPX Series inverter, with the convenience of an integrated charging system. The three state charger is microprocessor controlled for precise battery charging. All of the standard features found in the XPX Series, such as overvoltage/undervoltage, overtemperature, and shortcircuit protection are also included in the MCX/ICX Series of inverter/charger. Additionally, the MCX/ICX can monitor battery temperature and adjust the charging voltage accordingly. The remote control display/user interface allows the user to program the unit to adjust charge rate based on battery specifications. Voltage and charge voltage levels based on battery temperature.



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# MCX/ICX POWER INVERTER SPECIFICATIONS

## OUTPUT POWER - INVERTER MODE

CONTINUOUS POWER	SURGE POWER	NO LOAD POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	WEIGHT LBS.
2000W	4000W	10W	120 +/-2%	16.6 A	15

## INPUT - INVERTER MODE

MODEL VOLTAGE	MINIMUM (TYPICAL)	SYSTEM (TYPICAL)	MAXIMUM (TYPICAL)	TYPICAL EFFICIENCY @ FULL POWER	PEAK EFFICIENCY @ 1/2 POWER
12V	10.6V	13.8V	15V	> 88%	> 90%
24V	21V	27.6V	30V	> 88%	> 90%
48V	42V	55.2V	60V	> 88%	> 90%
66V	57.8V	75.9V	82.5V	> 88%	> 90%

## GENERAL - INVERTER MODE

CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
WAVEFORM	-	SINUSOIDAL	-
LINE REGULATION	-	.1%	2%
LOAD REGULATION	-	1%	2%
DISTORTION	-	1.5%	2%
FREQUENCY	-1%	60Hz	+1%

## CHARGER MODE - CHARGING CURRENT

BATTERY VOLTAGE	I MAX	FLOAT VOLTAGE		
		MINIMUM	TYPICAL	MAXIMUM
12V	50A*	10.6V	13.4V	15.2V
24V	33.3A	21V	26.8V	30V
48V	16.6A	42V	53.6V	60V
66V	12.1A	57.8V	80.4V	82.5V
INPUT POWER FACTOR	> 0.98			

\*Specifications subject to change.

## PROTECTION CIRCUITRY

Over Voltage:	Shutoff at maximum input voltage, per input table.
Under Voltage:	Shutoff at minimum input voltage, per input table.
Thermal:	105 C internal temperature.
Output Short:	Unit shuts off: electronically limited. Manual reset required.

## ENVIRONMENTAL

Temperature:	-25°C to +25°C full power, derated -17% @ 50°C then 20% per 10°C above 50°C.
Humidity:	5 to 95% non-condensing
Cooling:	Thermostatically controlled variable speed forced air
Finish:	Powder coated
Warranty:	Two years parts and labor.

## MECHANICAL

Case size: 18L x 9W x 4H
Weight: 15 lbs.



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