

Manufacturer of True Sine Wave Power Inverters and Related Products

## XO SERIES POWER INVERTERS



reliable inverter systems available. Power levels are expandable, and modules can be added or replaced in the field. The XO system can be configured for power levels from 2 to 6KW with 120 VAC output, 240 VAC bi-phase or 208 VAC 3 phase.

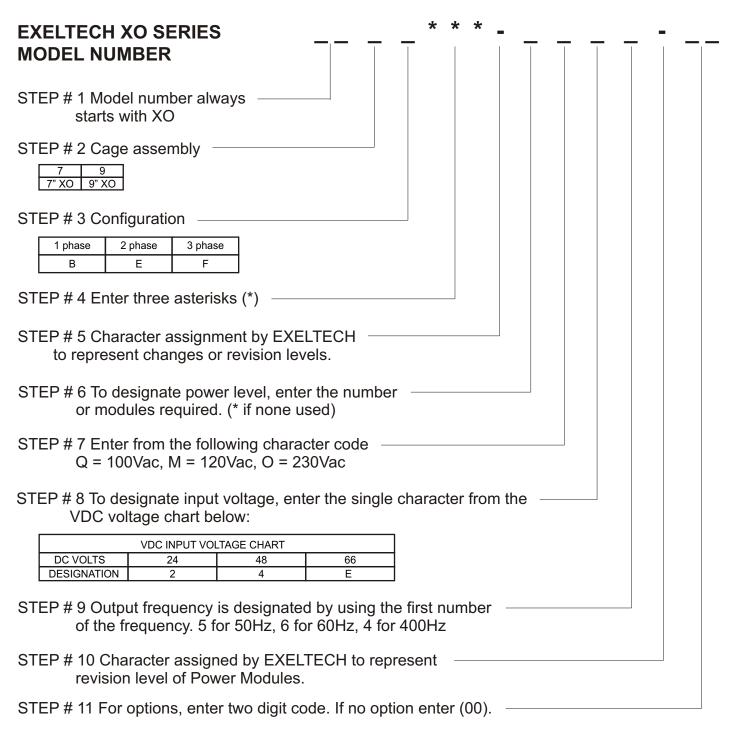
EXELTECH manufactures some of the most

The XO system is extremely compact and lightweight. Power modules weigh only 12 lbs each. Output voltage is precisely regulated, so that no measurable voltage change occurs on the output as input voltage fluctuates. Typically, less than 1.2 volt change in output voltage will occur when the output load varies from 0 to 100% of rated power.

With distortion of 2% maximum, this inverter offers the cleanest sine wave power available. Models are available which cover 24, 48 and 66VDC battery systems. Custom models can be designed to meet your specific input voltage requirements.

- EXPANDABLE
- TRUE SINE WAVE
- 2000 WATT MODULES
- EXTREMELY LIGHTWEIGHT
- COMPACT
- MICRO PROCESSOR CONTROLLED

### **XO SERIES SYSTEM PART NUMBER**



EXAMPLE: XO9B\*\*\*-3ME6-01

# POWER INVERTER SPECIFICATIONS

### **OUTPUT POWER**

CONTINUOUS POWER	SURGE POWER	NO LOAD POWER	OUTPUT VOLTAGE	OUTPUT CURRENT per KW	WEIGHT LBS.
2000W	4000W	12W	1	8.3 A	15
4000W	8000W	24W	1, 2	8.3 A	28.6
6000W	12000W	35W	1, 3	8.3 A	37

- 1 Single phase 100Vac, 120Vac +/- 2% 2 Bi-phase 100/200Vac, 120/240Vac +/- 2% 3 3 phase 100/173Vac, 120/208Vac +/- 2%

## **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.

### **INPUT**

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

#### **ENVIRONMENTAL**

-25°C to +25°C full power, Temperature:

derated -17% @ 50°C then 20% per 10°C above 50°C. 5 to 95% non-condensing Thermostatically controlled

variable speed forced air

Powder coated Finish:

Warranty: Two years parts and labor.

### **GENERAL**

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

#### **MECHANICAL**

Case size:

Humidity:

Cooling:

7" Case HOLDS UP TO 2 MODULES

9 inches High 18 inches Deep 7 inches Wide Weight: 28 lbs.

9" Case HOLDS UP TO 3 MODULES

9 inches High 18 inches Deep 9 inches Wide Weight: 37 lbs.