



*Manufacturer of Quality Power Products*



## **XLGT SERIES TRANSFORMERLESS GRID TIE INVERTER**

- **1800 WATTS**
- **96.5% EFFICIENT**
- **COMPACT**
- **LIGHTWEIGHT**
- **MADE IN THE USA**

The Exeltech XLGT string inverter provides the lowest cost, highest quality, grid interactive inverter available today. Featuring snap-in technology, natural convection cooling, no moving parts, and the latest in transformerless technology. No transformer means less weight, less cost, and greater efficiency. A built in AC/DC disconnect switch further reduces the total installed system cost. The XLGT complies with UL 1741 certification, and is housed in a NEMA 3R indoor/outdoor enclosure for maximum environmental safety and protection.



# XLGT SERIES PART NUMBERING SYSTEM

## EXELTECH XLGT SERIES MODEL NUMBER

XGT 18

**Step 1:** Model number always starts with XGT.

**Step 2:** To designate wattage ( 18 for 1800 )

**Step 3:** To designate voltage

Vac OUTPUT VOLTAGE CHART			
AC Volts	100	120	230
Designation	J	A	E

**Step 4:** Output frequency is designated by using the first number of the frequency(5 for 50Hz, 6 for 60Hz)

**Step 5:** This space designates current revision level, and is for EXELTECH use only. If no revision is in use for this module, enter 0.

**Step 6:** To designate option, enter the code from the option chart below. If no option is required please leave blank.

OPTION CHART	
Option	Code

**EXAMPLES:** A 120Vac, 60Hz model would require the following model number...  
**XGT18A60**

## ELECTRICAL SPECIFICATIONS

RATING TYPE	RATING
STARTUP VOLTAGE	230 Vdc
MAXIMUM SYSTEM VOLTAGE	600 Vdc
RANGE OF OPERATING DC VOLTAGE	200 Vdc to 600 Vdc
MINIMUM PV STARTUP VOLTAGE	220VDC
PEAK POWER TRACKING VOLTAGE	450VDC
MAXIMUM OPERATING CURRENT (DC)	9.5 Amps
MAXIMUM ARRAY SHORT CIRCUIT CURRENT (DC)	10 Amps
MAXIMUM UTILITY BACKFEED CURRENT (DC)	0.075 Amps
OPERATING VOLTAGE RANGE (AC)	106 Vac - 132 Vac
OPERATING FREQUENCY RANGE	59.3Hz - 60.5Hz
NOMINAL OUTPUT VOLTAGE (AC)	120 Vac
NORMAL OUTPUT FREQUENCY	60 Hz
MAXIMUM CONTINUOUS OUTPUT CURRENT	15.0 Amps
POWER FACTOR	> 0.99
MAXIMUM CONTINUOUS OUTPUT POWER (AC)	1800 Watts @ 120Vac
MAXIMUM OUTPUT FAULT CURRENT (AC)	15 Amps
MAXIMUM OUTPUT OVERCURRENT PROTECTION	20 Amps
EFFICIENCY	97.8 % PEAK, 96.5 CEC
TOTAL HARMONIC DISTORTION	<5 %

## PROTECTION CIRCUITRY

Thermal:	105 C internal temperature.
Output:	Current limiting

## ENVIRONMENTAL

Temperature:	40 C full power, derate above 40 C.
Humidity:	Indoor / Outdoor
Altitude:	-200 to 10k feet full power, derated above 10k
Cooling:	Convection
Finish:	Powder coat

## MECHANICAL

Dimensions:	17.2" X 9.5" X 5.8" (HxWxD)
Weight:	14 lbs.