

EXELTECH

Manufacturer of Quality Power Products



XLGT SERIES TRANSFORMERLESS GRID TIE INVERTER

- **1800 WATTS**
- **96% 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.



EXELTECH

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XLGT SERIES PART NUMBERING SYSTEM

EXELTECH XLGT SERIES MODEL NUMBER

XLGT 18

A

6

Step 1: Model number always starts with XLGT.

Step 2: To designate wattage (18 for 1800)

Step 3: To designate voltage

Vac OUTPUT VOLTAGE CHART			
AC Volts	120		
Designation	A		

Step 4: Output frequency is designated by using the first number of the frequency(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...
XLGT18A60

ELECTRICAL SPECIFICATIONS

RATING TYPE	RATING
MAXIMUM SYSTEM VOLTAGE	600 Vdc
RANGE OF OPERATING DC VOLTAGE	200 Vdc to 600 Vdc
MAXIMUM OPERATING CURRENT (DC)	10 Amps
MAXIMUM ARRAY SHORT CIRCUIT CURRENT (DC)	12 Amps
MAXIMUM UTILITY BACKFEED CURRENT (DC)	0.1 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
MAXIMUM OUTPUT FAULT CURRENT (AC)	15 Amps
MAXIMUM OUTPUT OVERCURRENT PROTECTION	20 Amps
PEAK EFFICIENCY	96 %
TOTAL HARMONIC DISTORTION	< 5 %

Specifications subject to change with out notice.

PROTECTION CIRCUITRY

Thermal:	105 C internal temperature.
Output:	Current limiting

ENVIRONMENTAL

Temperature:	40 C full power, derate above 40 C.
Humidity:	0% - 100%
Altitude:	-200 to 10k feet full power, derated above 10k
Cooling:	Convection
Finish:	Polyurethane base paint

MECHANICAL

Dimensions:	17" X 9" X 5 1/2" (HxWxD) (includes mounting brackets)
Weight:	14 lbs.