

## XP SERIES POWER INVERTERS



XP 125



XP 250



XP 600



XP 1100



XP 2000

Made in America, **EXELTECH XP SERIES INVERTERS** are the most affordable, reliable, lightweight and best regulated, true sine wave inverters available. The **XP SERIES** inverter will operate any AC load anywhere. Ultra lightweight, yet rugged enough for the most extreme mobile environments, the **XP SERIES** is available in 100Vac, 120Vac, or 230Vac in 50Hz, 60Hz or 400Hz for land, marine or military applications, worldwide.

- **TRUE SINE WAVE**
- **125 WATTS TO 2000 WATTS**
- **12VDC TO 108VDC INPUT**
- **RACK MOUNT OPTIONAL**
- **REMOTE SWITCHING**
- **21.5 YEARS MTBF**



# XP SERIES POWER INVERTER SPECIFICATIONS

## OUTPUT POWER

MODEL	CONTINUOUS POWER	SURGE POWER	NO LOAD POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	WEIGHT LBS.
XP-125	110W	125W	5W	100 +/-6%	1.1	2
XP-125	125W	150W	5W	117 +/-6%	1.1	2
XP-250	210W**	250W	6W	100 +/-6%	2.1	5
XP-250	250W**	300W	6W	117 +/-6%	2.1	5
XP-250	250W**	300W	7W	230 +/-6%	1.1	5
XP-600	510W**	1000W	8W	100 +/-6%	5.1	6.5
XP-600	600W**	1100W	8W	117 +/-6%	5.1	6.5
XP-600	600W**	1100W	9W	230 +/-6%	2.7	6.5
XP-1100	950W**	1900W	20W*	100 +/-6%	9.5	10
XP-1100	1100W**	2200W	20W*	117 +/-6%	9.5	10
XP-1100	1100W**	2200W	20W*	230 +/-6%	4.8	10
XP-2000	1700W**	3400W	12W	100 +/-2%	16.7	15
XP-2000	2000W**	4000W	12W	120 +/-2%	16.7 (15) <sup>1</sup>	15
XP-2000	2000W**	4000W	12W	230 +/-2%	8.7 (7.8) <sup>1</sup>	15

\*10W with X2 option , \*\*remote switchable, <sup>1</sup>12Vdc rating-1800W

## MECHANICAL

Case size (HxWxD)

125W case size= 2.16" X 4.93" X 7.90"  
(2 lbs)  
250W case size= 2.77" X 5.23" X 12.03"  
(5 lbs)  
600W case size= 3.57" X 7.69" X 12.10"  
(6.5 lbs)  
1100W case size= 3.57" X 7.69" X 15.05"  
(10 lbs)  
2000W case size= 4" X 9" X 18"  
(15 lbs)

## OPTIONS

XP Options:

- conformal coating (07 option)
- low idle current drain (02 option)\*
- circuit board with heat sink only (04 option) many other options available for OEM applications, consult factory.

\*1100 watt only

## INPUT POWER

MODEL	INPUT VOLTAGE	MINIMUM <sup>1</sup> (TYPICAL)	SYSTEM (TYPICAL)	MAXIMUM <sup>1</sup> (TYPICAL)	TYPICAL EFFICIENCY @ FULL POWER	PEAK EFFICIENCY @ 1/3 POWER
XP-125/250/600/1100	12V	10.4/10.6*	13.8V	16.5V	85%	87%
XP-125/250/600/1100	24V	19/21V*	27.6V	33V	87%	89%
XP-125/250/600/1100	32V	26.5/28V*	36.8V	44V	88%	90%
XP-125/250/600/1100	48V	41.5/42.5V	55.2V	62V	87%	89%
XP-125/250/600/1100	66V	57.5/58.5V*	75.9V	91V	88%	90%
XP-125/250/600/1100	108V	94/95V*	125V	149V	87%	90%
XP-2000**	12V	10.4/10.8V*	13.8V	15V	>80%	>83%
XP-2000	24V	20.8/21.6V*	27.6V	30V	>88%	>90%
XP-2000	48V	41.6/43.2V*	55.2V	60V	>88%	>90%
XP-2000	66V	57.2/59.4V*	75.9V	82.5V	>88%	>90%
XP-2000	108V	93.6/97.2V*	124.2V	135V	>88%	>90%

<sup>1</sup>Indicates typical cut-off voltage/warning buzzer voltage; <sup>1</sup> +/- .3%; \*\*12Vdc rating-1800W

## PROTECTION CIRCUITRY

\*Over Voltage: Shut off at maximum input voltage, per input conditions. Automatic reset upon fault correction.

\*Under Voltage: Shut off at minimum input voltage, per input conditions

\*Thermal: Shuts off due to over temperature condition. Warning buzz 5 C before shut off

Output Short: Unit shuts off (manual reset)

\*Automatically reset

## GENERAL

CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
WAVEFORM	-	SINUSOIDAL	-
VOLTAGE OUTPUT	-5%	NOMINAL	+5%
LINE REGULATION	-	0.1%	0.5%
LOAD REGULATION	-	0.5%	1%
DISTORTION	-	1.5%	2%
FREQUENCY	-0.1%	NOMINAL	+0.1%

See [www.exeltech.com](http://www.exeltech.com) for more data regarding XP Series inverters.

## ENVIRONMENTAL

Temperature: -25 to 30 C full power derated 20% per 10 C, above 30 C.

Humidity: 5 to 95% non condensing

Altitude: -200 to 10k feet full power, derated above 10k

Audible Noise: Less than 45dbA

Cooling: 600W/1100W/2000  
Thermostatically controlled forced air. 125W/250W convection cooled.

Finish: Painted aluminum

Warranty: Full year, parts/labor

# XP SERIES PART NUMBERING SYSTEM

**EXELTECH XP SERIES**    XP    \_ - \_ - \_ - \_ - 1 - \_  
**MODEL NUMBER**

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

**Step 2:** To designate wattage enter the single character code  
 1 for 125, 2 for 250, 6 for 600, K for 1100, X for 2000

**Step 3:** To designate output voltage enter the single character code from the Vac chart

Vac OUTPUT VOLTAGE CHART			
AC Volts	100	120	230*
Designation	0	1	3

\*Not available in 125watt models

**Step 4:** To designate input voltage enter the single character code from the Vdc chart

Vdc INPUT VOLTAGE CHART						
DC Volts	12	24	32	48	66	108
Designation	1	2	B	4	E	I

**Step 5:** Output frequency is designated by using the first number of the frequency  
 5 for 50Hz, 6 for 60Hz and 4 for 400 Hz

**Step 6:** This designates revision level (For EXELTECH use only).

**Step 7:** To designate option, enter the code from the option chart below. If no option is required please leave it blank.

OPTION CHART	
Option	Code
Conformal coating	07
Low idle current drain	02*
Circuit board with heat sink only	04**
50MS transfer relay	20***

\* available thru a distributor only(only on XP1100W)

\*\*available for OEM's only

\*\*\*available on XP600 and XP1100 only

**EXAMPLE:** XP600 with  
 117Vac output, 12Vdc input,  
 60Hz with the conformal  
 coating option would require  
 the following model number:  
**XP6-1-1-6-1-07**

