

## EXELTECH XP SERIES INVERTERS

### Output Power

Continuous Power	Surge Power	No Load Power	Output Voltage	Output Current	Weight LBS.
<b>125 Watt</b>	150 Watts	5 Watts	100 +/- 6%	1.2	2
<b>125 Watt</b>	150 Watts	5 Watts	120 +/- 6%	1.1	2
<b>250 Watt**</b>	300 Watts	6 Watts	100 +/- 6%	2.5	5
<b>250 Watt**</b>	300 Watts	6 Watts	120 +/- 6%	2.1	5
<b>250 Watt**</b>	300 Watts	7 Watts	230 +/- 6%	1.1	5
<b>600 Watt**</b>	1100 Watts	8 Watts	100 +/- 6%	6.0	6.5
<b>600 Watt**</b>	1100 Watts	8 Watts	120 +/- 6%	5.1	6.5
<b>600 Watt**</b>	1100 Watts	9 Watts	230 +/- 6%	2.7	6.5
<b>1100 Watt**</b>	2200 Watts	20 Watts*	100 +/- 6%	11.0	10
<b>1100 Watt**</b>	2200 Watts	20 Watts*	120 +/- 6%	9.5	10
<b>1100 Watt**</b>	2200 Watts	20 Watts*	230 +/- 6%	4.8	10

\*10W with X2 option

\*\*remote switchable

### Input Power

Model Voltage	Minimum (Typical)**	System (Typical)	Maximum (Typical)**	Typical Efficiency @ Full Power	Peak Efficiency @ 1/3 Power
<b>12Vdc</b>	10.4/10.6Vdc*	13.8Vdc	16.5Vdc	85%	87%
<b>24Vdc</b>	19/21Vdc*	27.6Vdc	33Vdc	87%	89%
<b>32Vdc</b>	26.5/28Vdc*	36.8Vdc	44Vdc	88%	90%
<b>48Vdc</b>	41.5/42.1Vdc*	55.2Vdc	62Vdc	87%	89%
<b>66Vdc</b>	57.5/58.5Vdc*	75.9Vdc	91.1Vdc	88%	90%
<b>108Vdc</b>	94/95Vdc*	125Vdc	149Vdc	87%	90%

\*Indicates typical cut-off voltage/warning buzzer voltage

\*\* +/- 3%

### General

Conditions	Minimum	Typical	Maximum
<b>Waveform</b>	-	Sinusoidal	-
<b>Voltage Output</b>	- 5%	Nominal	+5%
<b>Line Regulation</b>	-	0.1%	0.5%
<b>Load Regulation</b>	-	0.5%	1%
<b>Distortion</b>	-	1.5%	2%
<b>Frequency</b>	-0.1%	Nominal	+0.1%

### Mechanical

#### Case size (WxHxD)

**125W case size= 4.93" x 2.00" x 6.80" (2 lbs) | [125 Watt drawing](#)**

**250W case size= 5.23" x 2.77" x 10.38" (5 lbs) | [250 Watt Drawing](#)**

**600W case size= 7.70" x 3.60" x 11.77" (6.5 lbs) | [600 Watt Drawing](#)**

**1100W case size= 7.70" x 3.60" x 14.77" (10 lbs) | [1100 Watt Drawing](#)**

#### 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\*:** 105 C internal temperature. Warning buzz 5 C before shut off

**Output Short:** Unit shuts off (manual reset)

\*Automatically reset

#### Environmental

**Temperature:** -25 to 30 C full power derated 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 Thermo- statically controlled forced air. 125W/250W convection cooled.

**Finish:** Painted aluminum

**Warranty:** 1 year limited from manufacturer