Pacific Automation
Reliable Solutions From The World's Latest Technology

XP SERIES INVERTERS

DC/AC Sine Wave Inverters: 125 - 1100 Watts

Features

- True sine wave output
- Will power all types of loads
- State of the art switched mode design
- High MTBF>180,000 hours
- DC input options: 12V, 24V, 32V, 48V, 66V & 108V
- Frequency options: 50, 60 and 400HZ
- Output options: 100, 120, 230 VAC
- Overload, thermal and overvoltage protection

The XP series inverters provide the best regulated true *sine wave* inverters on the market. Reliable, lightweight and with input options from 12V to 110DC. With distortion of <2%, the XP inverters are designed to provide smooth, clean, continuous AC power without noise and spikes which could affect todays high tech electronic equipment. They will also operate any type of load, making them the ideal inverter in AC standby power applications for telecommunications, industrial and other commercial applications.

Model Selection

XP	Power	Output VAC	Input VDC	Frequency

Power Code:	1 = 125W (not with 230V) 2 = 250W 6 = 600W K = 1100W
Out VAC code:	0 = 100VAC 1 = 120VAC 3 = 230VAC
Input VDC code:	1 = 12VDC 2 = 24VDC B = 32VDC 3 = 36VDC 4 = 48VDC E = 66VDC I = 110VDC
Frequency code:	5 = 50HZ 6 = 60HZ 4 = 400HZ
eg. XP6 - 3 - 4 - 5 =	Input 48VDC Output 230VAC 50HZ, 600W

Specifications

INPUT VOLTAGE: **(Typical range)**	12VDC (10.5 - 16.5) 24VDC (21.0 - 33.0) 32VDC (28.0 - 44.0) 48VDC (42.5 - 62.0) 66VDC (58.0 - 91.0) 108VDC (95.0 - 149.0)
AC WAVEFORM:	Sinusoidal
HARMONIC DISTORTION:	Typically 1.5%, maximum 2%
OUTPUT VOLTAGE:	100V, 120V or 230VAC options
FREQUENCY:	50HZ, 60HZ or 400HZ options
FREQUENCY REG:	Regulation ±0.1%
OUTPUT POWER:	125 to 1100 watts. Refer to table
SURGE POWER:	Typically 2.2 times rated output (except 125W units and 250W)
EFFICIENCY:	Typically 88% at rated load
REGULATION LINE:	Typically 0.1% maximum 0.5%
REGULATION LOAD:	Typically 3% maximum 5%
OPERATING TEMPERATURE:	-25°C to 40°C (600 & 1000W) -25°C to 30°C (125 & 250W)
HUMIDITY:	5% to 95% non condensing 230V units have conformal coating
ALTITUDE:	-200ft to 10,000ft operating
AUDIBLE NOISE:	Less than 45dbA
COOLING:	Convection cooled 125 - 250W models. Thermostatically controlled forced air 600 - 1100W models
EMC:	EN55014
DIMENSIONS & WEIGHT: (W x H x D)	XP125: 118 x 51 x 172mm 0.9kg. XP250: 265 x 70 x 135mm 3.0kg XP600: 196 x 92 x 300mm 4.5kg. XP1100: 196 x 92 x 375mm 4.5kg.
PROTECTION: (Automatically reset)	
*** OVER VOLTAGE:**	Shutdown at maximum input voltage condition.
*** UNDER VOLTAGE:**	Shutdown at minimum input voltage condition.
*** THERMAL:**	Shutdown at 105°C internal temperature, warning buzzer at approximately 5°C before shutdown.
OUTPUT PROTECTION:	Unit will shutdown in event of output short. Recycle input power to restart.
OUTPUT CABLE:	P190BK050683 - converts IEC output plug, to Australian plug.
TRANSFER SWITCH: (Option XP600 & XP1000W)	Option **X20**: Utility as the primary source of power, transfer Utility to Inverter Output. Option **X28**: Inverter as the primary source of power, transfer Inverter to Utility Output. Option **X27**: Inverter Output fail alarm via relay, change over contacts.

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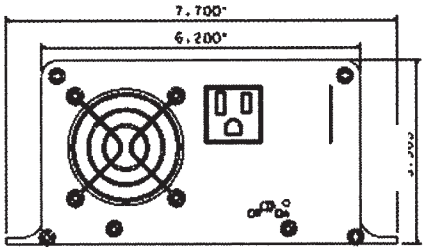
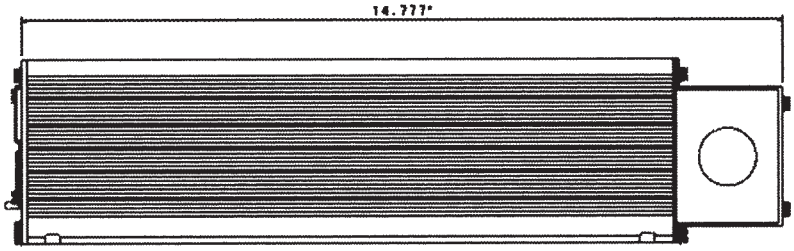
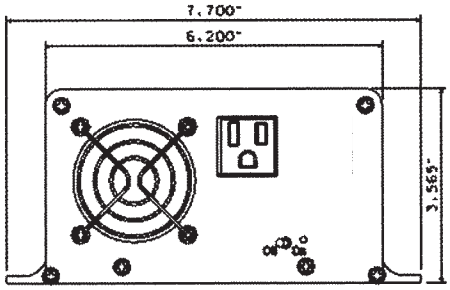
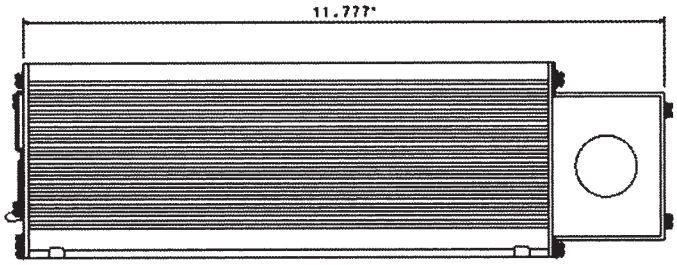
XP1100





XP600





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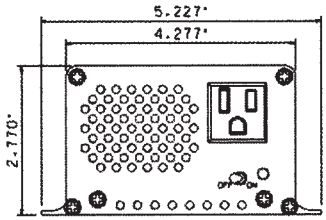

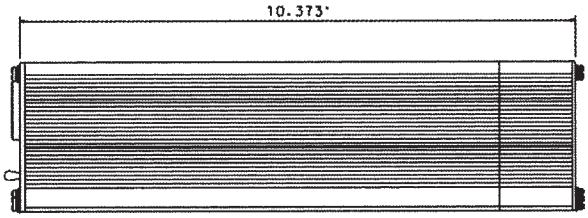

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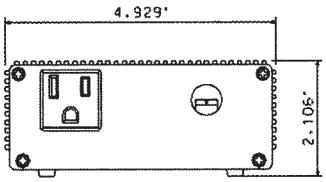

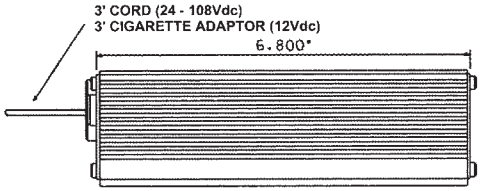

All dimensions in inches