



SOLAR STIK®

XP 125W Power Inverter

12 VDC – Item # 01-1000011

Overview

An inverter changes direct current (DC), such as energy stored in a battery, to alternating (sine-wave) current (AC), which powers most household appliances. Exeltech's XP 125 is a 125-watt inverter that provides the cleanest sine wave 120 VAC output over the widest DC power input (12–108 VDC) of any inverter on the market today. The NEMA-15 outlet on the exterior of the inverter provides a convenient connection to an appliance (load) or other power distribution equipment.



General

Waveform	Sinusoidal
Line Regulation	0.1% (0.5% maximum)
Load Regulation	0.5% (1% maximum)
Distortion	1.5% (2% maximum)
Frequency	60 Hz (+/-0.1%)
Connection Type	SAE

Inverter Output

Continuous Power	125 W
Surge Power	150 W
No Load	5 W
Output Voltage	117 V (+/-6%)
Output Current	1.1 A

12 VDC Input

Volts	10.4–16.5 V
Rated Current	12.3 A
Peak Current	13.9 A

Safety

Overvoltage	Shutoff at maximum input voltage, per input conditions. Automatic reset upon fault correction.
Undervoltage	Shutoff at minimum input voltage, per input conditions.
Thermal	+105 °C (+221 °F) internal temperature +5 °C (+41 °F) warning buzz before shutoff
Output Short	Unit shuts off (manual reset)

Features

- 12 VDC input
- 120 VAC output
- 125 W continuous power
- Provides clean sine wave output
- Low battery/thermal buzzer
- Overvoltage protection
- Undervoltage protection
- Overtemperature protection

Environmental

Temperatures	-25 °C to +30 °C (-13 °F to +86 °F) Full power derated 20% per +10 °C (+50 °F), above +30 °C (+86 °F)
Humidity	5 to 95% noncondensing
Altitude	-200 to 10,000 feet full power, derated above 10,000
Audible Noise	Less than 45 dbA
Cooling	Convection cooled
Finish	Painted aluminum
Warranty	1-year materials and workmanship

Weights and Dimensions

Dimensions	2.16 x 4.93 x 7.90 in (5.49 x 12.52 x 20.07 cm)
Weight	2 lb (0.9 kg)



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