

NP SERIES | INVERTER/CHARGER

24 VOLT PURE SINE WAVE POWER

Introduction

The NP Series inverter/charger provides choices to fit your specific mobile needs. There truly is a model that will work where you need it. The pure sine wave inverter is built to withstand high output surge demands of motors, pumps, and other tools, while providing high quality power for your sensitive electronic devices.



Features

- Battery Profile Presets – Using the included Seven Segment display or the optional remote LCD, easily choose from and set standard battery profiles, including Lithium Iron Phosphate (LFP), Gel, Flooded, and AGM.
- Wide operating temperature range from -40 °F to 149 °F.
- Programmable charger AC input current maximum with automatic load management regulation.
- Built-in AC bypass relay.
- Dead battery charging with a 0 volt minimum start.
- Thermally controlled cooling fan.
- GFCI outlet protection.
- LED indication of external power, inverter power, low input voltage, high temperature, and overload.
- Battery temperature sensor with 40 ft cable included with every unit.

Model Numbers

- 24NP36

Available For

- Marine Systems
- Military Vehicles
- RV Systems
- Trucks
- Utility Vehicles

Available Accessories

- LCD Remote
- Seven Segment Remote
- Battery Temp Sensor
- Battery Cable Kits
- DC Terminal Kits
- CAN Configuration Tools
- Covers
- GFCI



Pure Sine Wave



24

Battery Voltage Options



3600 W

Continuous Output Options



SPECIFICATIONS



24NP36	
INVERTER SPECIFICATIONS	
Continuous power output at 25° C	3600 VA
Continuous current (amps AC)	30 AAC
Input current (amps DC)	Up to 167 ADC
Peak power (watts)	8000 W
Peak current (amps AC)	95 AAC
Motor starting rating (hp)	2 hp
Nominal AC output voltage	120 VAC $\pm$ 3%
Output frequency and accuracy	60 Hz $\pm$ 0.05%
Input battery voltage range	21 - 30 VDC
Inverter efficiency (peak)	88%
Total Harmonic Distortion (THD)	< 5%
Waveform	Pure Sine Wave
DC Input Capacitance	Up to 160,000uF
CHARGER SPECIFICATIONS	
AC input voltage range	95 - 135 VAC
Input current (amps AC)	25.2 AAC
Output (amps DC)	90 ADC
BYPASS SPECIFICATIONS	
Transfer relay (amps AC)	30 AAC
ENVIRONMENTAL SPECIFICATIONS	
Operating temperature	-40° C to +65° C (-40° F to 149° F)
PHYSICAL SPECIFICATIONS	
Dimensions (l x w x h)	14.8" x 17.1" x 8" (37.6 x 43.4 x 20.3 cm)
Weight	68 lb (30.9 kg)
GENERAL SPECIFICATIONS	
Listings	Listed to UL/cUL 458 UL File Number E100666
Warranty	Five years



GENERAL NOTES

Testing for specifications at 25° C.
Specifications subject to change without notice.



AGENCY APPROVALS & CERTIFICATIONS

- Listed to UL/cUL 458 UL File Number E100666

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