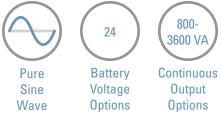




NP SERIES INVERTER/CHARGER 24 Volt Models



Model Numbers

- 24NP8V
- 24NP24
- 24NP36
- 24NP36G2LNQ-095

The NP Series Inverter/Charger is also available in 12 & 48 volt models.

Available For

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

The pure sine wave Magnum-Dimensions NP Series Inverter/Charger from Sensata Technologies provides choices to fit your specific mobile needs. The 24 VDC models* have output power options ranging from 800 to 3600 VA and have an external chassis in various sizes, including a ventless option. There truly is a model that will work where you need it.

Sine Wave Power: 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

Power Factor Corrected

Power factor corrected charging: wet, AGM, and gel

Wide Operating Temperature

Wide operating temperature range from 0 °F to 149 °F $\,$

LED Display

Available seven-segment LED display, including battery voltage readout and diagnostics

Programmable Charger

Programmable charger AC input current maximum with automatic load management regulation

Automatic Protection

Automatic short circuit, overload, and over-temperature protection

Built-in Transfer Switch Built-in AC transfer switch

AVAILABLE OPTIONS

ON/OFF Switch Easy access ON/OFF switch or ignition sense tab **Inverter Mode Only** Does not charge or come with a transfer switch Second GFCI Outlet

For additional outlets (large chassis only)

*The NP Series is also available in 12 and 48 volt models.

Dead Battery Charging

Dead battery charging with a 0 volt minimum start

Cooling Fan Thermally controlled cooling fan

GFCI outlet protection

LED Indicators

LED indication of external power, inverter power, low input voltage, high temperature, and overload

Output Protection Output circuit breakers

Low Battery Shutdown Automatic low battery shutdown at 10.5 VDC, with in-rush delay

NP SERIES INVERTER/CHARGER SPECIFICATIONS - 24 VOLT MODELS







	24NP8V	24NP24	24NP36	
NVERTER SPECIFICATIONS				
Continuous power output at 25° C	800 VA	2400 VA	3600 VA	
Continuous current (amps AC)	10 AAC	20 AAC	30 AAC	
Input current (amps DC)	Up to 60 ADC	Up to 114 ADC	Up to 167 ADC	
Peak power (watts)	4200 W	5000 W	8000 W	
Peak current (amps AC)	35 AAC	55 AAC	100 AAC	
Motor starting rating (hp)	1/3 hp	1 ½ hp	2 hp	
Nominal AC output voltage	120 VAC ± 3%	120 VAC ± 3%	120 VAC ± 3%	
Output frequency and accuracy	60 Hz ± 0.05%	60 Hz ± 0.05%	60 Hz ± 0.05%	
Input battery voltage range	21 - 30 VDC	21 - 30 VDC	21 - 30 VDC	
Inverter efficiency (peak)	88%	88%	88%	
Total Harmonic Distortion (THD)	< 5%	< 5%	< 5%	
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	
HARGER SPECIFICATIONS				
AC input voltage range	95 - 135 VAC	95 - 135 VAC	95 - 135 VAC	
Input current (amps AC)	8.0 AAC	19.4 AAC	22.6 AAC	
Output (amps DC)	35 ADC	75 ADC	90 ADC	
YPASS SPECIFICATIONS				
Transfer relay (amps AC)	30 AAC	30 AAC	30 AAC	
NVIRONMENTAL SPECIFICATIONS				
Operating temperature	-20° C to +65° C (-4° F to 149° F)			
HYSICAL SPECIFICATIONS				
Dimensions (I x w x h)	13.8" x 14.5" x 5.7 " (35.1 x 36.8 x 14.5 cm)	13.8" x 14.5" x 5.7 " (35.1 x 36.8 x 14.5 cm)	14.5" x 17.1" x 8.0" (36.8 x 43.4 x 20.3 cm)	
Weight	35 lb (15.9 kg)	40 lb (18.2 kg)	68 lb (30.9 kg)	
GENERAL SPECIFICATIONS				
Listings	Listed to UL/cUL 458			
Warranty	Two years (Optional: Four years w	Two years (Optional: Four years with advance replacement first two years)		



The World Depends on Sensors and Controls

MAGNUM-DIMENSIONS

2211 West Casino Road Everett, Washington 98204 USA 425-353-8833

1467 White Deer

4467 White Bear Pkwy St. Paul, MN 55110 USA

800-553-6418

www.magnumenergy.com

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

November 2015 Rev B

Part #131345