



## NP SERIES INVERTER/CHARGER

### 24 Volt Models



Pure  
Sine  
Wave



Battery  
Voltage  
Options



Continuous  
Output  
Options

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.

### 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

## 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

### Dead Battery Charging

Dead battery charging with a 0 volt minimum start

### Cooling Fan

Thermally controlled cooling fan

### GFCI

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

## 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.

## NP SERIES INVERTER/CHARGER SPECIFICATIONS – 24 VOLT MODELS



	24NP8V	24NP24	24NP36
<b>INVERTER SPECIFICATIONS</b>			
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
<b>CHARGER SPECIFICATIONS</b>			
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
<b>BYPASS SPECIFICATIONS</b>			
Transfer relay (amps AC)	30 AAC	30 AAC	30 AAC
<b>ENVIRONMENTAL SPECIFICATIONS</b>			
Operating temperature	-20° C to +65° C (-4° F to 149° F)		
<b>PHYSICAL SPECIFICATIONS</b>			
Dimensions (l 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)
<b>GENERAL SPECIFICATIONS</b>			
Listings	Listed to UL/cUL 458		
Warranty	Two years (Optional: Four years with advance replacement first two years)		



### MAGNUM-DIMENSIONS

2211 West Casino Road  
Everett, Washington 98204 USA

425-353-8833

4467 White Bear Pkwy  
St. Paul, MN 55110 USA

800-553-6418

www.magnumenergy.com