



N SERIES | INVERTER

24 VOLT MODELS

Introduction

The N Series Inverter is a low frequency, pure sine wave inverter line made for handling loads in work and utility trucks. The series is available from 400 watts to 5600 watts and in 12, 24, or 48 VDC models, giving you choices to fit your needs.

The N Series Inverter utilizes an iron-core transformer that can handle the frequent power surges associated with industrial-grade tools, pumps, heaters, and motors.



Features

- Engineered construction and cooling methods
- Thermally controlled cooling fan
- Enclosed AC and DC cable connections
- Remote ON/OFF switch hookup
- GFCI outlet protection
- LED indication of external power, inverter power, low input voltage, high temperature, and overload
- Automatic electronic short circuit/overload protection
- Automatic over temperature shutdown
- Output circuit breakers
- Automatic low battery shutdown with in-rush delay
- Zero load draw when unit is off
- Single-wire on/off control

Options

- D Option – Dual Output Voltage, 120/240 VAC

Model Numbers

- 24/400N
- 24/2200N
- 24/3300N
- 24/4800N
- 24/5600DN

Available For

- Emergency Medical Services
- Marine Systems
- Military Vehicles
- RV Systems
- Trucks
- Utility Vehicles

The N Series is also available in 12 and 48 volt configurations.



Pure Sine Wave



Battery Voltage Options



Continuous Output Options



SPECIFICATIONS



| | 24/400N | 24/2200N | 24/3300N | 24/4800N | 24/5600DN |
|--------------------------------|--|---|--|--|--|
| INVERTER SPECIFICATIONS | | | | | |
| Output Power | 400 watts | 2200 watts | 3300 watts | 4800 watts | 5600 watts |
| Peak Watts | 1080 watts | 6600 watts | 9600 watts | 13200 watts | 16800 watts |
| Output Voltage | 120 VAC ± 5% | 120 VAC ± 5% | 120 VAC ± 5% | 120 VAC ± 5% | 120 / 240 VAC ± 5% |
| Peak Output Current | 9 AAC | 55 AAC | 80 AAC | 110 AAC | 140 AAC |
| Output Current | 3 AAC | 18 AAC | 28 AAC | 40 AAC | 23 AAC |
| Output Waveform | Pure Sine | Pure Sine | Pure Sine | Pure Sine | Pure Sine |
| Output Frequency | 60 Hz ± 0.5 Hz | 60 Hz ± 0.5 Hz | 60 Hz ± 0.5 Hz | 60 Hz ± 0.5 Hz | 60 Hz ± 0.5 Hz |
| Motor Starting Capacity | NA | 1 hp | 2 hp | 2 hp | 3 hp |
| Input Voltage | 24 VDC | 24 VDC | 24 VDC | 24 VDC | 24 VDC |
| Input Voltage Range | 22 - 28 VDC | 22 - 28 VDC | 22 - 28 VDC | 22 - 28 VDC | 22 - 28 VDC |
| Continuous Output Amps | 3 amps | 18 amps | 28 amps | 40 amps | 23 amps |
| Efficiency | Up to 88% | Up to 88% | Up to 88% | Up to 88% | Up to 88% |
| Phase | Single | Single | Single | Single | Single |
| Topology | Low Frequency | Low Frequency | Low Frequency | Low Frequency | Low Frequency |
| Warranty | Five years | Five years | Five years | Five years | Five years |
| PHYSICAL SPECIFICATIONS | | | | | |
| Weight | 14 lb [6.4 kg] | 42 lb [19.1 kg] | 69 lb [31.4 kg] | 90 lb [40.9 kg] | 140 lb [63.6 kg] |
| Dimensions | 12.5" x 6" x 5" [31.8 x 15.2 x 12.7 cm] | 15.5" x 16" x 7.5" [39.4 x 40.6 x 19.1 cm] | 16" x 17" x 10" [40.6 x 43.2 x 25.4 cm] | 16" x 17" x 10" [40.6 x 43.2 x 25.4 cm] | 18" x 20" x 12.5" [45.7 x 50.8 x 31.8 cm] |
| Operating Temperature | -18° to 40° C [0° to 104° F] | -20° to 60° C [0° to 140° F] | -20° to 60° C [0° to 140° F] | -20° to 60° C [0° to 140° F] | -20° to 60° C [0° to 140° F] |



GENERAL NOTES

Testing for specifications at 25° C, 24 VDC nominal.
Specifications subject to change without notice.



AGENCY APPROVALS & CERTIFICATIONS

- Listed to UL/cUL 458 Power Inverter, E100666

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