

N SERIES | INVERTER

1800 - 3600 WATT, 12 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

These N Series models can be configured with additional options.

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

Model Numbers

- 12/1800N
- 12/2400N
- 12/3000N
- 12/3600N

The N Series Inverter is also available in larger output 12 volt models, 24 volt, and 48 volt models

Available For

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



Pure Sine Wave



12

Battery Voltage Options



1800-3600 W

Continuous Output Options



SPECIFICATIONS



	12/1800N	12/2400N	12/3000N	12/3600N
INVERTER SPECIFICATIONS				
Output Power	1800 watts	2400 watts	3000 watts	3600 watts
Peak Watts	3960 watts	6480 watts	6480 watts	16320 watts
Output Voltage	120 VAC \pm 5%	120 VAC \pm 5%	120 VAC \pm 5%	120 VAC \pm 5%
Peak Output Current	44 AAC	91 AAC	91 AAC	136 AAC
Output Current	15 AAC	20 AAC	25 AAC	30 AAC
Output Waveform	Pure Sine	Pure Sine	Pure Sine	Pure Sine
Output Frequency	60 Hz \pm 0.5 Hz	60 Hz \pm 0.5 Hz	60 Hz \pm 0.5 Hz	60 Hz \pm 0.5 Hz
Motor Starting Capacity	1/2hp	1-1/2hp	1-1/2hp	2 hp
Input Voltage	12 VDC	12 VDC	12 VDC	12 VDC
Input Voltage Range	10.5 - 20 VDC	10.5 - 20 VDC	10.5 - 20 VDC	10.5 - 20 VDC
Continuous Output Amps	15 amps	20 amps	25 amps	30 amps
Efficiency	Up to 88%	Up to 88%	Up to 88%	Up to 88%
Phase	Single	Single	Single	Single
Topology	Low Frequency	Low Frequency	Low Frequency	Low Frequency
Warranty	Five years	Five years	Five years	Five years
PHYSICAL SPECIFICATIONS				
Weight	42 lb [19.1 kg]	56 lb [25.5 kg]	58 lb [26.4 kg]	80 lb [36.4 kg]
Dimensions	15.5" x 16" x 7.5" [39.4 x 40.6 x 19.1 cm]	15.5" x 16" x 7.5" [39.4 x 40.6 x 19.1 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]
Operating Temperature	-18° to 40° C [0° to 104° F]	-18° to 40° C [0° to 104° F]	-18° to 40° C [0° to 104° F]	-18° to 40° C [0° to 104° F]



GENERAL NOTES

Testing for specifications at 25°C and 12.6Vdc, nominal.
Specifications subject to change without notice.



AGENCY APPROVALS & CERTIFICATIONS

- Listed to UL/cUL 458 Power Inverter, E100666

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