

N SERIES | INVERTER

48 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. The 48IX10NV has a ventless chassis for moisture and dust protection.



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

Model Numbers

- 48IX10NV

The N Series is also available in 12 and 24 volt configurations.

Available For

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



Pure Sine Wave



Battery Voltage Options



Continuous Output Options



SPECIFICATIONS

48IX10NV	
INVERTER SPECIFICATIONS	
Output Power	1000 watts
Peak Watts	2500 watts
Output Voltage	120 VAC \pm 5%
Peak Output Current	55 AAC
Output Current	8 AAC
Output Waveform	Pure Sine
Output Frequency	60 Hz \pm 0.5 Hz
Motor Starting Capacity	1/2 hp
Input Voltage	48 VDC
Continuous Output Amps	8 amps
Efficiency	Up to 87%
Phase	Single
Topology	Low Frequency
Warranty	2 years
PHYSICAL SPECIFICATIONS	
Weight	33 lb [15 kg]
Dimensions	15.4" x 8.3" x 7.6" [39.1 x 21.1 x 19.3cm]
Operating Temperature	-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

Sensata Technologies, Inc. ("Sensata") data sheets are solely intended to assist designers ("Buyers") who are developing systems that incorporate Sensata products (also referred to herein as "components"). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, evaluation and judgment in designing Buyer's systems and products. Sensata data sheets have been created using standard laboratory conditions and engineering practices. Sensata has not conducted any testing other than that specifically described in the published documentation for a particular data sheet. Sensata may make corrections, enhancements, improvements and other changes to its data sheets or components without notice.

Buyers are authorized to use Sensata data sheets with the Sensata component(s) identified in each particular data sheet. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER SENSATA INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, IS GRANTED HEREIN. SENSATA DATA SHEETS ARE PROVIDED "AS IS". SENSATA MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE DATA SHEETS OR USE OF THE DATA SHEETS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. SENSATA DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO SENSATA DATA SHEETS OR USE THEREOF.

All products are sold subject to Sensata's terms and conditions of sale supplied at www.sensata.com SENSATA ASSUMES NO LIABILITY FOR APPLICATIONS ASSISTANCE OR THE DESIGN OF BUYERS' PRODUCTS. BUYER ACKNOWLEDGES AND AGREES THAT IT IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL LEGAL, REGULATORY AND SAFETY-RELATED REQUIREMENTS CONCERNING ITS PRODUCTS, AND ANY USE OF SENSATA COMPONENTS IN ITS APPLICATIONS, NOTWITHSTANDING ANY APPLICATIONS-RELATED INFORMATION OR SUPPORT THAT MAY BE PROVIDED BY SENSATA.

Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

CONTACT US

651-653-7000
800-553-6418
InverterInfo@sensata.com

Power Conversion
www.magnum-dimensions.com