

Dimensions®

MAGNUM
ENERGY



POWER FOR WORK

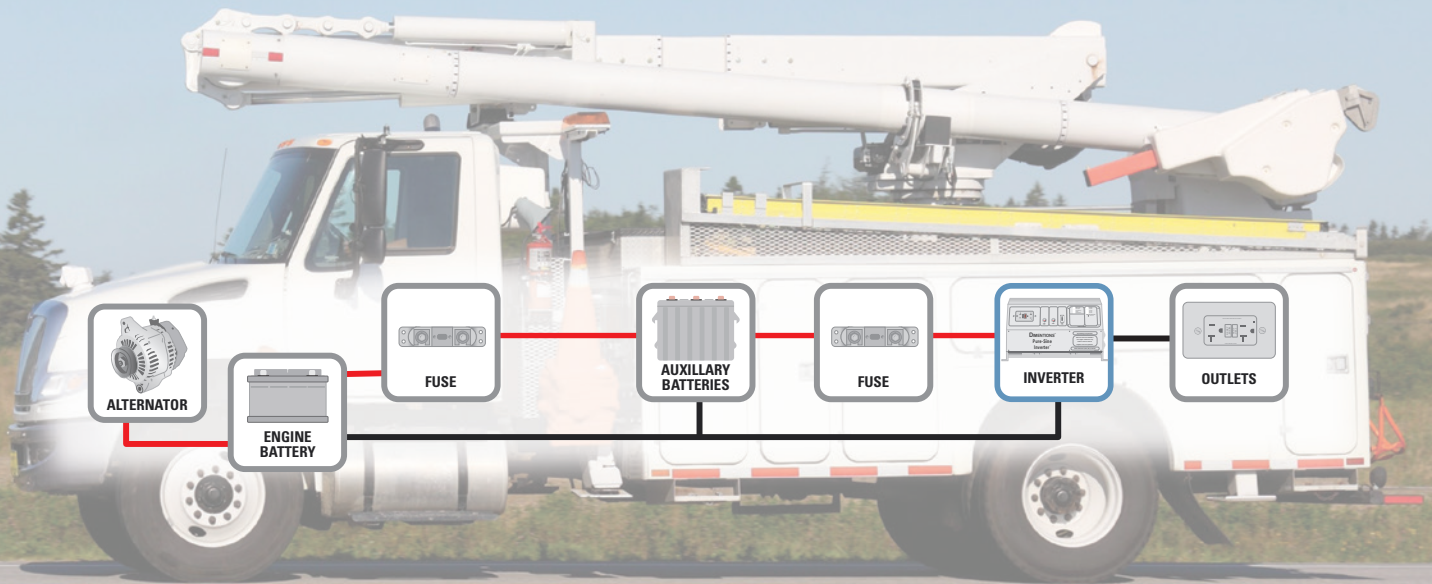
RELIABLE, EASY-TO-USE

POWER CONVERSION SOLUTIONS

Inverters • Inverter/Chargers • Converters • Accessories


Sensata
Technologies

When your fleet is on the road, solid and steady performance is a must. With a wide range of features and output options Magnum Energy and Dimensions brand inverters and inverter/chargers can accommodate those who need occasional charging capabilities to those who need constant access for high surge loads.



Get just the right inverter for your needs. Magnum Energy and Dimensions brand inverters provide a variety of features with different use-cases in mind. Please use this reference when navigating product lines.

LIGHT DUTY USE



Excellent for occasional use and lighter loads, such as rechargeable tools and lights.

MEDIUM DUTY USE



Good for running heavy loads, but not continuously, such as appliances and microwaves.

HEAVY DUTY USE



A good choice for constant, heavy use, running cable fault locators (thumpers) or line finders for example.

INVERTERS



CMW SERIES 12 VOLT INVERTER

- Modified sine wave output in a compact and lightweight case.
- Easy-to-read LED status, with LCD screen for alphanumeric readings.
- USB port to charge USB-enabled devices.
- Excellent option when budget is the main factor.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 VDC
AC Output Voltage	120 VAC
AC Output Current	3.3 to 25.0 AAC
Peak Surge Power	800 W to 6000 W
Continuous Power Output	400 W to 3000 W
Weight	1.6 to 13.0 lb
Dimensions	7.3" x 4.1" x 2.1" to 19.0" x 9.0" x 4.5"
Warranty	One Year



CSW SERIES 12 VOLT INVERTER

- Pure sine wave inverter designed for smaller spaces.
- Easy-to-read LED status, with an LCD screen for alphanumeric readings.
- USB port to charge USB enabled devices.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 VDC
AC Output Voltage	120 VAC
AC Output Current	3 to 16.6 AAC
Peak Surge Power	800 to 4000 W
Continuous Power Output	400 to 2000 W
Weight	3.8 to 13.0 lb
Dimensions	7.9" x 6.9" x 3.4" to 17" x 9" x 4.5"
Warranty	One year

INVERTERS



LP SERIES 12 VOLT INVERTER

- Pure sine wave power designed for small vehicle spaces.
- Auto sleep mode preserves battery life over long periods of no-load operation.
- High surge rating for motor loads.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 VDC
AC Output Voltage	120 VAC
AC Output Current	8.3 to 12.5 AAC
5 Sec Surge Output	2000 W to 3000 W
Continuous Power Output	1000 W to 1500 W
Weight	20 to 28 lb
Dimensions	17.3" x 9.0" x 3.6" to 19.0" x 9.8" x 4.8"
Warranty	Five years



N SERIES 12 AND 24 VOLT INVERTER

- Pure sine wave output.
- High surge rating for heavy loads.
- Zero load draw when the inverter is off.
- Optional 120/240 volt output available.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 to 24 VDC
AC Output Voltage	120 or 120/240 VAC
AC Output Current	3 to 40 AAC
5 Sec Surge Output	840 W to 16800 W
Continuous Power Output	400 W to 4800 W
Weight	14 to 90 lb
Dimensions	12.5" x 6.0" x 5.0" to 18" x 20" x 12.5"
Warranty	Five years



3-PHASE INVERTER

- Modified sine wave output
- Enclosed AC and DC cable connections
- LED battery voltage indicators
- Running time meter

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	24 VDC
AC Output Voltage	220Y/120 VAC 3 Phase
AC Output Current	16 AAC
Continuous Power Output	6,000 W
Weight	137 lb
Dimensions	17.75" x 26.5" x 11"
Warranty	One year

INVERTER/CHARGERS



LPC SERIES 12, 24, AND 48 VOLT INVERTER/CHARGER

- Pure sine wave power with charging capability designed for small vehicle spaces.
- Built-in RV-C communication protocol.
- Zero load draw when the inverter/charger is off.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 to 48 VDC
AC Output Voltage	120 VAC
AC Output Current	12.5 to 26.7 AAC
5 Sec Surge Output	3000 to 6000 W
Continuous Power Output	1500 to 3200 W
Charger Output	15 to 65 ADC
Input Current Bypass	20 to 30 amps
Weight	30 lb
Dimensions	19.0" x 9.8" x 4.8"
Warranty	Five years

Visit www.Magnum-Dimensions.com to see our full line of inverters, inverter/chargers, and accessories.



ME SERIES 12 VOLT INVERTER/CHARGER

- Modified sine wave inverter.
- Provides multiple ports for networking and accessories.
- Dual transfer service available for 240V output.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 VDC
AC Output Voltage	120 VAC
AC Output Current	16.7 to 25.8 AAC
5 Sec Surge Output	3700 to 6000 W
Continuous Power Output	2000 to 3100 W
Charger Output	100 to 160 ADC
Input Current Bypass	2x30 AAC or 60 AAC
Weight	37 to 46 lb
Dimensions	13.8" x 12.7" x 8.0"
Warranty	Three years



MM/MMS SERIES 12 AND 24 VOLT INVERTER/CHARGER

- Pure sine and modified sine wave inverter/charger for those with smaller power needs.
- Hardwire and three-foot prewired cord options available.
- Lightweight and compact.
- Versatile mounting options available.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 to 24 VDC
AC Output Voltage	120 VAC
AC Output Current	8.3 to 12.5 AAC
5 Sec Surge Output	1750 to 2100 W
Continuous Power Output	1000 to 1500 W
Charger Output	50 to 70 ADC
Input Current Bypass	20 amps
Weight	20 to 23 lb
Dimensions	16.6" x 8.4" x 4.7"
Warranty	Two years



MS SERIES 12, 24, 48 VOLT INVERTER/CHARGER

- Pure sine wave inverter/charger.
- Charges multiple battery chemistries, including lithium ion and lead acid.
- Multiple user interfaces allows customizable settings.
- Optional branch rated output circuit breakers.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 to 48 VDC
AC Output Voltage	120 VAC
AC Output Current	16.7 to 33.3 AAC
5 Sec Surge Output	3300 W to 8500 W
Continuous Power Output	2000 W to 4000 W
Charger Output	60 to 125 ADC
Input Current Bypass	30 to 60 amps
Weight	41 to 55 lb
Dimensions	13.8" x 12.7" x 8.0"
Warranty	Three years



MSH SERIES 12 & 24 VOLT INVERTER/CHARGER

- Pure sine wave power with hybrid technology to combine energy from multiple sources.
- Load support allows the inverter to run larger loads from smaller generators.
- Multiple ports for communication and remote controls.
- Charges multiple battery chemistries, including lithium ion and lead acid.
- Optional 50A, 120/240 VAC transfer switch.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 to 24 VDC
AC Output Voltage	120 VAC
AC Output Current	25 to 33.3 AAC
5 Sec Surge Output	3900 W to 5800 W
Continuous Power Output	3000 W to 4000 W
Charger Output	110 to 125 ADC
Input Current Bypass	60 amps or 2-Pole 50 AAC
Weight	55 lb
Dimensions	13.8" x 12.7" x 8.0"
Warranty	Three years



NP SERIES 12 & 24 VOLT INVERTER/CHARGER

- Pure sine wave output, built to withstand high output surge demands.
- Dead battery charging with a 0 volt minimum start.
- Zero load draw when the inverter/charger is off.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	12 to 24 VDC
AC Output Voltage	120 VAC
AC Output Current	15 to 30 AAC
5 Sec Surge Output	3000 W to 8000 W
Continuous Power Output	1800 W to 3600 W
Charger Output	75 to 150 ADC
Input Current Bypass	20 to 30 amps
Weight	40 to 68 lb
Dimensions	12.2" x 14.6" x 5.8" to 13.8" x 17.1" x 8.0"
Warranty	Five years

CONVERTERS



48V TO 24V OR 12V DC CONVERTERS

- In a 12V or 24V infrastructure, these DC Converters support 48V battery upgrades.
- High amperage output from a single unit.
- High surge for large motor loads.
- Provides parallel and/or redundant operation for up to three units.

OVERVIEW | EXACT SPECS DEPEND ON MODEL

DC Input Voltage	48 VDC
DC Output Voltage	12 or 24 VDC
Output Current	75 to 240 ADC
5 Sec Surge Output	3100 W to 7200 W
Continuous Power Output	1800 W to 3600 W
Weight	42 to 68 lb
Dimensions	13.4" x 12.0" x 5.7" to 13.8" x 17.1" x 8.0"
Warranty	Three years

ACCESSORIES



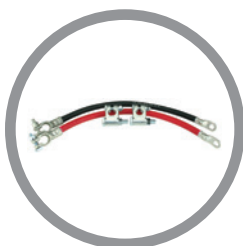
REMOTE CONTROLS

- Easy-to-use remote controls extend the visibility and programming options for your inverters and inverter/chargers.
- Remotes preserve their adjustable settings even if the power is lost.



ME-AGS AUTOMATIC GENERATOR START

- Automatically starts a generator based on low battery condition or the room temperature.
- Compatible with most major generator brands.



CABLE KITS

- Cable kits designed to connect batteries to inverters.



ME-SBC SMART BATTERY COMBINER

- Monitor and charge a second battery bank from a single charging source.
- Eliminates significant voltage drops from over or under charging.

ABOUT SENSATA TECHNOLOGIES

The name Sensata comes from the Latin word sensata, meaning "those gifted with sense". To complement our business and name, our logo is inspired by Braille, the writing system based on touch.

Our highly engineered devices satisfy the world's growing need for safety, energy efficiency, and a clean environment. These are devices that improve safety, efficiency and comfort for millions of people every day and are used in automotive, appliance, aircraft, industrial, military, heavy vehicle, heating, air conditioning, data, telecommunications, recreational vehicle and marine applications.

Until 2006, we were called Texas Instruments Sensors & Controls. Today we are the world's leading supplier of sensors and controls across a broad range of markets and applications. From integrated manufacturing to state-of-the-art environmental practices and a full spectrum of technical and analytical services, Sensata Technologies remains committed to helping its customers find leading-edge technology solutions to meet today's market needs.



POWER CONVERSION SOLUTIONS: MAGNUM ENERGY AND DIMENSIONS BRANDS

Sensata's Power Conversion business unit began as two well-known inverter companies, Dimensions Inverters and Magnum Energy. Dimensions Inverters joined Sensata Technologies in 2007 and Magnum Energy in 2014. Under the Magnum Energy and Dimensions Power brands, Sensata Technologies continues to manufacture exceptional inverters, inverter/chargers, and accessories catering to mobile applications, including utilities, corporate fleets, RV, marine, and trucks; renewable energy applications, and the export market.

Shipped worldwide, our products use the highest quality components to respond to the

extreme conditions of variable climates. Our dedicated staff of engineering, manufacturing, and customer service professionals work closely with customers to design and build some of the industry's most reliable, advanced, and cost effective inverters, inverter/chargers and accessories.

Offering both sine wave and modified sine wave models ranging from 400 to 17,600 watts and the ability to accommodate input ranges from 12 to 48 VDC, the Magnum Energy and Dimensions product lines have the inverter or inverter/charger to meet your needs.

**POWER FOR WORK.
POWER FOR LIFE.**



www.sensata.com

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