

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.

SENSATA POWER CONVERSION AND THE MAGNUM ENERGY BRAND

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 500 to 17,600 watts and the ability to accommodate input ranges from 12 to 48 VDC, the Magnum Energy product line has the inverter or inverter/charger to meet your needs.



MAGNUM
ENERGY



SOLUTIONS FOR SIMPLE POWER NEEDS

INVERTERS • CHARGE CONTROLLERS
CHARGERS • ACCESSORIES


Sensata
Technologies

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The World Depends on Sensors and Controls

PN# 64-5020 Rev B


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INVERTERS



CSW SERIES INVERTER

Waveform	Pure Sine Wave	Continuous Output	400, 1000, and 2000 VA output available
Battery Voltage	12 volt	Model Numbers	CSW412, CSW1012, CSW2012, CSW2012-X
Output Voltage/Frequency	120 VAC / 60 Hz	Warranty	1 year

- Compact and lightweight
- Comes with two GFCI AC outlets and a USB port
- Easy-to-read LED lights provide at-a-glance status updates
- Alphanumeric display for battery voltage and total AC output power



AVAILABLE ACCESSORIES

- Remote Switch: CSW-RS remote switch for even easier on/off access away from the inverter. The CSW-RS comes with a 20' cable.
- Transfer Switch: Use the 15 amp CSW-TS15 transfer switch to automatically switch AC load connections between utility/generator power and the AC output of the CSW inverter.



- On all models



CMW SERIES INVERTER

Waveform	Modified Sine Wave	Continuous Output	400, 1000, 1500, and 3000 VA output available
Battery Voltage	12 volt	Model Numbers	CMW412, CMW1012, CMW1512, CMW3012H (hardwire)
Output Voltage/Frequency	120 VAC / 60 Hz	Warranty	1 year

- Small footprint at an economical price point
- Comes with two GFCI AC outlets (regular outlets on the CMW 412)
- At-a-glance status with easy-to-read LED lights
- Hardwire version automatically switches between shore power and inverter/battery power



AVAILABLE ACCESSORIES

- Remote Switch: CSW-RS remote switch for even easier on/off access away from the inverter. The CSW-RS comes with a 20' cable.
- Transfer Switch: Use the 15 amp CSW-TS15 transfer switch to automatically switch AC load connections between utility/generator power and the AC output of the CSW inverter.



- On the CMW1012, CMW1512, and CMW3012H

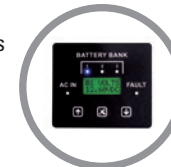
CHARGERS



MAGNACHARGER™

Charger Current	40 amps at 14.7 volts	Regulated Charge Voltage Range	9 – 16.6 volts
AC Input Voltage	85 – 270 VAC	Input Frequency	40 – 70 Hz
Model Number	MC-40	Warranty	3 years
Battery Types	Flooded, AGM, GEL, and Lithium		

- True, three-bank charger can charge three different battery banks
- Multiple battery profiles available, including a fully adjustable custom battery type setting
- Automatically detects number of battery banks
- Automatically recognizes AC input voltage and frequency for universal AC input
- Equalizes battery banks



AVAILABLE ACCESSORIES

- MC-R25 Remote: This remote control makes it possible to monitor the status and change the operating parameters of the MagnaCharger, from a remote location. Comes with a 25' cable.

CHARGE CONTROLLERS



PT-20-10 SOLAR CHARGE CONTROLLER

Load Current	10 ADC	Charge Current	20 ADC
Battery Voltage	12 or 24 volts	Model Numbers	PT-20-10
Warranty	5 years		

- Advanced MPP-tracking (MPPT) ensures maximum available power produced by the solar panels charges the batteries in any weather
- Works as a stand-alone controller using internal settings
- Electronic protection, including overcharge, deep discharge, reverse polarity, short circuit, overvoltage, over temperature, reverse current, and load disconnection
- Integrated light controller

Display

- Multifunction LED display
- Multi-coloured LED
- 5 LEDs show operating states for operation, state of charge, fault messages

Options

- Evening or night light function pre-set in the factory or adjustable via the optional RC100



CC SERIES SOLAR CHARGE CONTROLLER

Load Current	30 and 40 ADC	Charge Current	30 and 40 ADC
Battery Voltage	12 or 24 volts	Model Numbers	CC-30, CC-40
Warranty	5 years		

- Stand-alone controller optimizes battery maintenance and monitoring via a large LCD display
- LCD display shows operating modes, state of charge, voltage, current, and an energy meter
- The CC-40 features an integrated USB charging port.
- Electronic protection, including overcharge, deep discharge, reverse polarity, short circuit, overvoltage, over temperature, reverse current, and load disconnection
- Pulse width modulated (PWM)
- Integrated light controller

Display

- Graphical LCD display for operating parameters, fault messages, self test

Options

- Alarm contact
- External temperature sensor



- On the CC-40



CE SERIES SOLAR CHARGE CONTROLLER

Load Current	6, 10, 20, 30, and 40 ADC	Charge Current	6, 10, 20, 30, and 40 ADC
Battery Voltage	12 or 24 volts	Model Numbers	CE-6, CE-10, CE-20, CE-30, CE-40
Warranty	5 years		

- Stand-alone controller provides a cost-effective chose when low self-consumption is needed
- Multi-colored LED display shows operation, state of charge, and fault messages
- Automatically recognizes 12 or 24 volt systems and adjusts accordingly
- Electronic protection, including overcharge, deep discharge, reverse polarity, short circuit, overvoltage, over temperature, reverse current, and load disconnection
- Pulse width modulated (PWM)
- Integrated light controller

Displays

- Multifunction LED display
- Multi-coloured LED
- 5 LEDs show operating states for operation, state of charge, fault messages

Options

- Evening or night light function pre-set in the factory or adjustable via the optional RC100



- On the CE-40