

RV Series GS Inverter/Chargers

xantrex™



Feature-rich modified sine wave inverter/chargers

Reliable AC Power for Recreational Vehicles

Feature-rich and easy to install, the RV Series GS produces up to 3000 watts of continuous, modified sine wave power from a 12-volt battery bank. It is ideal for powering basic appliances and power tools. Designed for use with electricity supplied from your generator or RV campground hookup, these inverter/chargers provide automatic, multistage charging, manual battery equalization and temperature sensitive charging for optimal care of your batteries. A built-in transfer switch automatically transfers between inverter power and incoming AC power.

All RV Series products have a built-in shunt, which when paired with RC/GS Remote Panel enables advanced battery monitoring and inverter/charger control. They also have the necessary built-in hardware to be connected to your generator, enabling automatic generator starting when paired with RC/GS remote panel.

Product Features

- ▶ 2000/2500/3000 watt inverter
- ▶ 100/120/140A three-stage battery charger recharges batteries quickly and accurately
- ▶ Can be installed to transfer 30 amp or 50 amp service
- ▶ Power sharing prevents source AC input circuit breaker from tripping
- ▶ Built-in shunt enables battery fuel gauge display
- ▶ Built-in automatic starting system for generators with thermostat control
- ▶ 24 month warranty

Options

- ▶ Models with dual branch-rated circuit breakers (2x20A, or 1x20A and 1x15A)

Accessories

- ▶ Compatible with RC/GS remotes
- ▶ Battery Temperature Sensor available in 15, 25 and 35 foot lengths



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RV Series GS Inverter/Chargers**Electrical Specifications – Inverter**

Models	RV2012GS	RV2512GS	RV3012GS
Output power AC (max. continuous)	2000 watts	2500 watts	3000 watts
Surge rating (AC amps)	44 A	48 A	52 A
Output frequency	60 Hz +/- 0.4%	60 Hz +/- 0.4%	60 Hz +/- 0.4%
Output waveform	Modified sine wave	Modified sine wave	Modified sine wave
Peak efficiency	94%	94%	94%
AC output connections	Dual	Dual	Dual
AC input connections	Dual	Dual	Dual
AC transfer switch	50 A	50 A	50 A

Electrical Specifications – Charger

AC input voltage	120 VAC	120 VAC	120 VAC
DC input voltage range	10.2 - 15.5 VDC	10.2 - 15.5 VDC	10.2 - 15.5 VDC
Battery voltage (nominal)	12 VDC	12 VDC	12 VDC
Max charge output DC amps	100 A	120 A	140 A
Charge Control	3-Stage	3-Stage	3-Stage
Battery type settings	Wet/Gel/AGM	Wet/Gel/AGM	Wet/Gel/AGM
Equalization	Yes	Yes	Yes
Temperature sensitive charging	Yes	Yes	Yes

General Specifications

Operating temperature range	32°F-104°F (0°C-40°C)	32°F-104°F (0°C-40°C)	32°F-104°F (0°C-40°C)
Remote Panel	RC/GS	RC/GS	RC/GS
Optional battery temperature sensor	15, 25 and 35 foot lengths	15, 25 and 35 foot lengths	15, 25 and 35 foot lengths
Recommended Class T DC Fuse	250 A	300 A	400A
Dimensions (H x W x L)	7.25x13.12x13.9" (180x333x352mm)	7.25x13.12x13.9" (180x333x352mm)	7.25x13.12x13.9" (180x333x352mm)
Weight	45 lb (20.5 kg)	50 lb (22.7 kg)	60 lb (27.2 kg)
Warranty	24 months	24 months	24 months
Part numbers	RV2012GS RV2012-B15/20 (20/15 circuit breakers) RV2012-B20/20 (20/20 circuit breakers)	RV2512GS	RV3012GS
Accessories (all models)	RC/GS (on/off control and setup, state of charge, LCD, AGS) 809-0946 35' Battery Temperature Sensor		

Regulatory Approvals

UL and CUL listed to UL 458

Note: Specifications subject to change without notice. Other cable lengths and accessories are available on request.