

Description

12V Core Series Pure Sine Wave Inverters convert battery power into smooth 230V electricity, with a peak efficiency of over 90%. These units are a great fit for your delicate appliances that need steady power.

When the grid goes down, your living space doesn't have to. Each inverter is equipped with a UPS feature that can switch from the grid to the battery in 50ms, keeping essentials from lights to freezers running during outages. Each inverter comes with a wired remote control, allowing you to manage the unit remotely.

Key Features

■ Efficient AC Power Output

Turn 12VDC battery power into 230VA AC output with over 90% peak conversion efficiency for a wide range of sensitive applications.

■ Ready for Outages

Keep lights and other essentials running by switching power from the grid to the connected battery in 50ms.

■ Comprehensive Protection

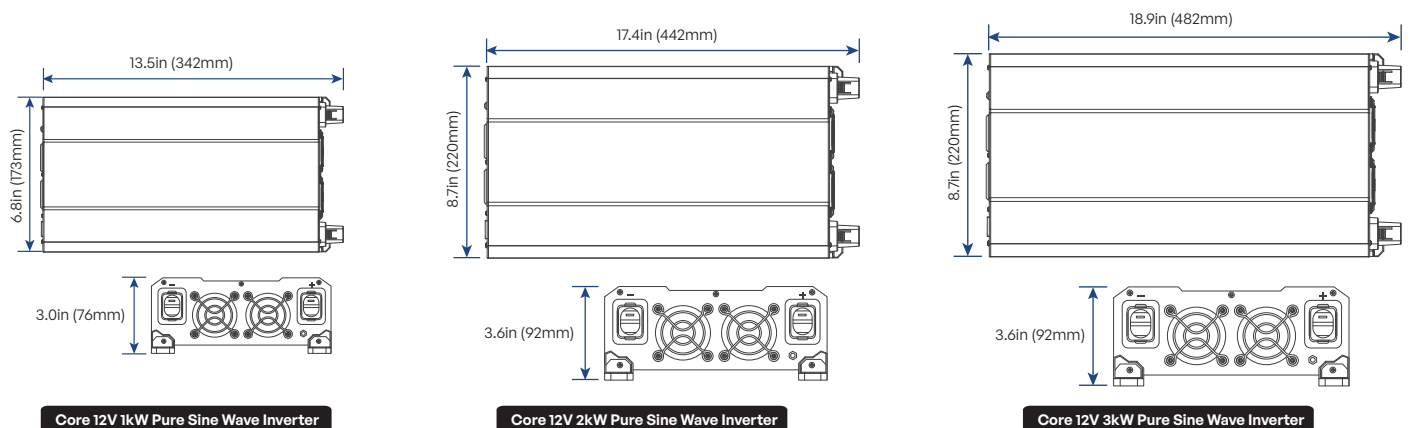
- Electronic overload protection with automatic shutdown
- Built-in internal DC fuse provides backup safety
- Low battery voltage protection with automatic shutdown
- Over temperature protection with automatic shutdown
- Output short circuit protection

■ Easy Remote Control

Includes a wired remote control that lets you turn on/off the inverter from a distance.



Product Dimensions



Technical Specifications

General Data

Model	R-INVT-PUHI-101235	R-INVT-PUHI-201235	R-INVT-PUHI-301235
Output Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
AC Terminals	AC Socket (x1)	AC Socket (x2)	AC Socket (x2)
DC Terminals	M8 x 1.25 x 15mm	M8 x 1.25 x 15mm	M8 x 1.25 x 15mm
Operating Temperature	32°F to 104°F / 0°C to 40°C	32°F to 104°F / 0°C to 40°C	32°F to 104°F / 0°C to 40°C
Storage Temperature	-4°F to 158°F / -30°C to 70°C	-4°F to 158°F / -30°C to 70°C	-4°F to 158°F / -30°C to 70°C
Humidity	0-95%	0-95%	0-95%
Cooling	Thermally Controlled Fans	Thermally Controlled Fans	Thermally Controlled Fans
Dimensions (LxWxH)	13.5x 6.8 x 3.0in / 342 x 173 x 76mm	17.4 x 8.7 x 3.6in / 442 x 220 x 92mm	18.9 x 8.7 x 3.6in / 482 x 220 x 92mm
Weight	5.7 lbs / 2.6kg	10.6 lbs / 4.8kg	12.57 lbs / 5.7kg
Certification	CE, R10, UKCA, RCM	CE, R10, UKCA, RCM	CE, R10, UKCA, RCM
Warranty	2-Year	2-Year	2-Year

Electrical Data

Continuous Output Power	1,000W	2,000W	3,000W
Continuous Output Current (THD)	< 5% Non-Linear Load	< 5% Non-Linear Load	< 5% Non-Linear Load
Surge Rating	2,000W (@1s)	4,000W (@1s)	6,000W (@1s)
Output Voltage	220VAC-240VAC	220VAC-240VAC	220VAC-240VAC
Output Frequency (Configurable)	50Hz	50Hz	50Hz
Rated Battery Input Voltage	12VDC	12VDC	12VDC
Battery Input Voltage Range	11VDC-16VDC	11VDC-16VDC	11VDC-16VDC
Inverter Efficiency	>90%	>90%	>90%
Transfer Time	50ms	50ms	50ms
Full Load Efficiency	>86%	>86%	>86%
Power Consumption	<12W	<24W	<30W
Battery Overvoltage Shutdown	16.5 ± 0.5VDC	16.5 ± 0.5VDC	16.5 ± 0.5VDC
Battery Low Voltage Alarm	10.8 ± 0.5VDC	10.8 ± 0.5VDC	10.8 ± 0.5VDC
Battery Low Voltage Shutdown	10 ± 0.5VDC	10 ± 0.5VDC	10 ± 0.5VDC

Package Contents

Wired Remote Control	Yes (x1)	Yes (x1)	Yes (x1)
User Manual	Yes (x1)	Yes (x1)	Yes (x1)

Renogy and any of its affiliates have reserved the right to make any modifications to the information on this data sheet without notice. It is our goal to supply our customers with the most recent information regarding our products.

These data sheets can be found in the downloads section of our website, www.renogy.com.