



# 12V 1000W/2000W/3000W PURE-SINE WAVE BATTERY INVERTER



## RENOGY 12V 1000W/2000W/3000W PURE-SINE WAVE BATTERY INVERTER

The Renogy 1000W Pure Sine Wave Power Inverter transforms the DC power stored in batteries into standard household AC power for consumer electronic needs. As a pure sine wave inverter, it is capable of producing cleaner, smoother, quieter, and more reliable electricity to operate fans, lights, and other electronics without interference. This unit features an ECO Power Saving Mode which reduces the power consumption from the battery when no loads are detected. Pair this 12V solar accessory with any off-grid system, including vans, to run your everyday electronics.

### KEY FEATURES

- Optimized for 12 VDC system voltage.
- Offers high-quality waveform with little harmonic distortion.
- LED indicators for under-voltage and over-voltage protection, over-temperature protection, overload protection, and short circuit indication.
- High-speed ventilation fans to help keep the inverter running at a low temperature
- ECO Power Saving Mode to conserve power from the battery
- Overload protection for both DC input and AC output to prevent damage to the components and the unit.
- Wired Remote Included.
- Bluetooth Monitoring Ready when combined with the BT-2 and Renogy DC Home App, available on IOS and Google Play Store.

Model	PGH1-10111S	PGH1-20111S	PGH1-30111S
Continuous Power	1000W	2000W	3000W
Input Voltage	12V		
Normal Operating Voltage	11 ~ 15 V DC		
Output Voltage	110VAC ± 10%		
Peak Surge	2000W	4000W	6000W
Efficiency	> 90%	> 92%	> 90%
Frequency	50 Hz / 60Hz (adjustable)		
Total Harmonic Distortion	< 3% Linear Load, < 5% Non-linear Load		
No Load Consumption	< 1A	< 2A	< 3A
High Voltage Disconnect	15.5V ± 0.5V DC	16V ± 0.3V DC	
Battery Under-voltage Alarm	10.5V ± 0.5V DC	11V ± 0.3V DC	
Low Voltage Shutdown	10.0V ± 0.5V DC	10.5V ± 0.3V DC	
Cooling	Thermally controlled fans		
AC Sockets	1	2	
Temperature Range	-4°F - 158°F / -20°C - 70°C		
Power Output Control	Inverter Power Switch, Remote		
Dimensions	13.4 x 7.6 x 2.8 in / 340 x 193 x 71mm	15.8 x 9.8 x 3.8in / 401 x 249 x 96mm	18.6 x 9.78 x 3.78 in/ 472 x 248 x 96 mm
Weight	7.5 lbs. / 3.4 kg	10.4 lbs. / 4.7 kg	13.4 lbs. / 6.1 kg

#### Wired Remote Control

Dimensions	3.8 x 4.3 x 1.3 in / 70 x 110 x 31.8 mm
Wire Length	Approx. 16.4 ft / 5000mm

