

# Renogy 12V 3000w Pure Sine Inverter



The perfect addition to any off-grid system, whether for a van or a cabin, the Renogy 3000W Pure Sine Wave Power Inverter acts as a DC to AC converter that allows you to power your household appliances. Unlike modified sine wave inverters, this 3000W inverter is a pure sine wave, capable of producing cleaner, smoother, and more reliable electricity to operate tools, fans, lights, and other electronics without interference. Many off-grid systems require a 12V solar inverter to power everyday electronics and this one includes multiple protections to help things run smoothly and safely. The inverter will come with a wired remote that can be used to turn on/off the inverter. The included AC hardwire port comes in handy when wiring the inverter to an AC distribution box. All these added features make this inverter the perfect choice!

## KEY FEATURES

### Safe

- Optimized for 12 VDC system voltage.
- Offers high quality waveform with little harmonic distortion.
- Overload protection for both DC input and AC output to prevent damage to the components and the unit.
- Special LED indicators for under-voltage and over-voltage protection, over-temperature protection, over-load protection, and short circuit indication.
- High-speed ventilation fans to help keep the inverter running at a low temperature.
- Ground-fault circuit interrupter (GFCI) protection
- ETL Listed with Built-in 5V/2.1A USB port, and AC Hardwire Port. Wired Remote Included

### Quiet

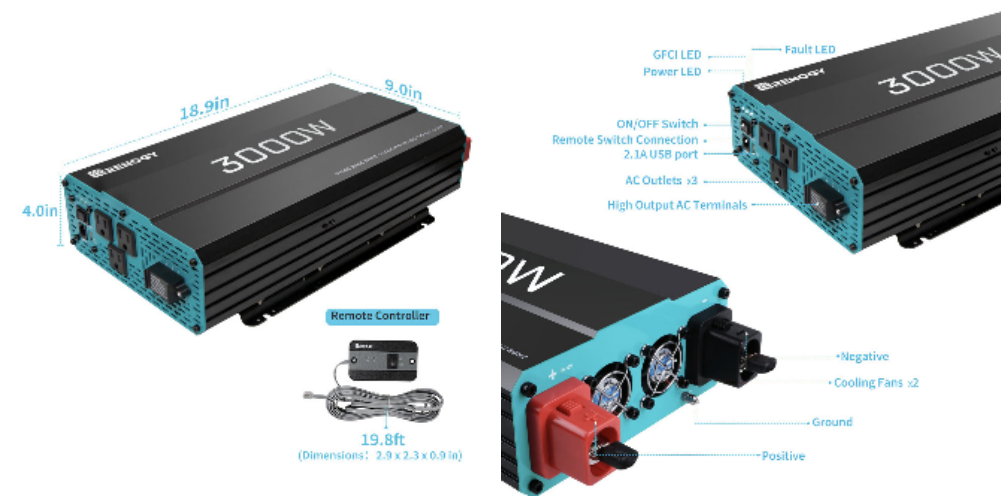
- No static or humming noises.

## Specifications

Continuous Power	3000W
Surge Power	6000W
AC Output Voltage Range	115VAC
Output Frequency (Nominal)	60 Hz
Output Waveform	Pure Sine Wave
Efficiency	> 90%
Operating Temp	-4°F - 158°F
THD ( <i>total harmonic distortion</i> )	< 3%
No Load Current Draw	< 2.5A
Battery low alarm	10.5V ± 0.5V DC
Battery low shutdown	10.0V ± 0.5V DC

Over voltage shutdown	16.5V ± 0.5V DC
Dimensions	19.0 x 9.0 x 4.0 In
Weight	12.5 lbs.

Pictures



References

Reference	URL
Manual	<a href="#">INVT-P2-Manual.pdf</a>
Unbonding the Ground and Neutral on Renogy Inverter	<a href="https://www.youtube.com/watch?v=zTeluBPgUgE">https://www.youtube.com/watch?v=zTeluBPgUgE</a>