



V1.1-M 20Oct 2018

# Nature Power 100 Watt Power Inverter

## User Manual



**!** **WARNING** Read carefully and understand all ASSEMBLY AND OPERATION, INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety, precautions may result in serious personal injury.

Item #37100

**SAVE THESE INSTRUCTIONS**

## Thank you for choosing a Nature Power Product.

This product is designed for certain applications only. The distributor cannot be responsible for issues arising from modification. We strongly recommend this product not be modified and/or used for any application other than that for which it was designed. If you have a question relative to a particular application, do not use the product until you have first contacted the distributor to determine if it can or should be performed on the product. For technical question please call 1-800-588-0590

### PART LIST

Reference	Part Description	Quantity
1	100W Inverter	1
2	User Manual	1

#### **WARNING**

This product can expose you to chemicals, including Di (2-ethylhexyl) phthalate (DEHP) which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

#### **ADVERTENCIA**

Este producto puede exponerlo a productos químicos, incluidos Di (2-etilhexil) ftalato (DEHP) que el estado de California sabe que causa cáncer, defectos de nacimiento u otros daños reproductivos. Para obtener más información, vaya a [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## IMPORTANT SAFETY INSTRUCTIONS

**IMPORTANT: Read all the Cautions and Warnings before installing the inverter.**

The power inverter generates 115 VAC power from your 12 volt battery. Treat the 115 VAC output just like you treat the 115 VAC in your house. Keep children away from the unit. Do not connect the unit to AC distribution wiring or any positive ground applications. Keep the unit away from water. Do not allow water to drip or splash onto the power inverter.

Keep the unit in cool environments. Ambient air temperature should be between 32 degrees and 75 degrees F. Keep out of direct sunlight and away from heating vents.

Make sure the opening to the fan and vent holes are not blocked.

Keep the unit away from flammable material or in any location which may accumulate flammable fumes or gases, such as the battery compartment of your car, boat, RV or truck.

With heavy use, the unit will become warm and possibly hot. Keep it away from any heat sensitive materials.

Do not open the unit - high voltages are inside and can cause electrical shock.

**Our Incorporation does not authorize any products to be used with any life support devices or medical systems.**

## FEATURES

1. LED indicator light (Green= Power ON, Red= Fault, Alarm)
2. Standard electrical 120V AC outlet
3. 12-Volt power plug
4. 2A USB output charging most of Android and Apple equipments
5. Over/Low battery protection
6. Short circuit protection
7. Overload protection
8. Overheat protection

## OPERATING INSTRUCTIONS

1. If connecting in a vehicle, remove the cigarette lighter from its outlet
2. Make sure the device to be operated is turned OFF
3. Push the 12V power plug firmly into the outlet
4. The LED indicator light should glow GREEN, verifying the inverter is receiving power
5. Plug the device into the inverter's AC outlet or USB port
6. Turn the device on
7. To disconnect, reverse the above procedure

## OUTPUT WAVEFORM

There are a few battery chargers that are not compatible with modified sine wave operation. These are typically small rechargeable, battery operated devices like razors and flashlights that can be plugged directly into an AC receptacle to recharge. Some chargers for battery packs used in power tools should also not be used with an inverter.

**WARNING: DO NOT USE YOUR POTEK INVERTER  
WITH THE DEVICES MENTIONED ON THIS PAGE!**

## SPECIFICATIONS

Nominal input voltage .....	12.8-13.2 VDC
Nominal output voltage .....	110-120 VAC
Output frequency .....	60 Hz±3 Hz
Operating input voltage .....	10.0-15.0 VDC
Continuous output power .....	Up to 100 W
Surge output power .....	200 W
Waveform.....	Modified sine wave
Maximum efficiency.....	85%
Maximum no load current (at nominal input voltage).....	<0.40 ADC
Input over voltage shutdown.....	15.5±0.5 VDC
Input undervoltage alarm .....	10.5±0.5 VDC
Input low voltage shutdown.....	10±0.5 VDC
Output power overload shutdown level .....	125±25 W
Internal fuse .....	15A
AC receptacles.....	One, NEMA 5-15 USA
USB port .....	One, 5V/2A

## LIMITED WARRANTY

Nature Power warrants our products to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from date of purchase. In the case of product defect, contact Nature Power customer service to receive troubleshooting. If defective part or unit should be returned, a Return Authorization Number must be issued by Nature Power and the defective part or unit should be returned to the authorized location at the purchasers' expense. A dated proof of purchase is required to receive warranty service. Once received at authorized location and defect proves to be the result of defective material and workmanship, the defective part or unit will be replaced at warrantors' option and returned to the original purchaser at warrantors' expense. No refunds will be granted by the warrantor, in the event of buyer's remorse, please contact your point of purchase and adhere to their return policy.



**Please contact Nature Power Products to acquire  
more information:**

1-800-588-0590

[info@naturepowerproducts.com](mailto:info@naturepowerproducts.com)

[www.naturepowerproducts.com](http://www.naturepowerproducts.com)

**Made in China**