




iTECHWORLD

# PURE SINE WAVE INVERTER



User Guide



# INTRODUCTION

## PURE SINE WAVE INVERTER

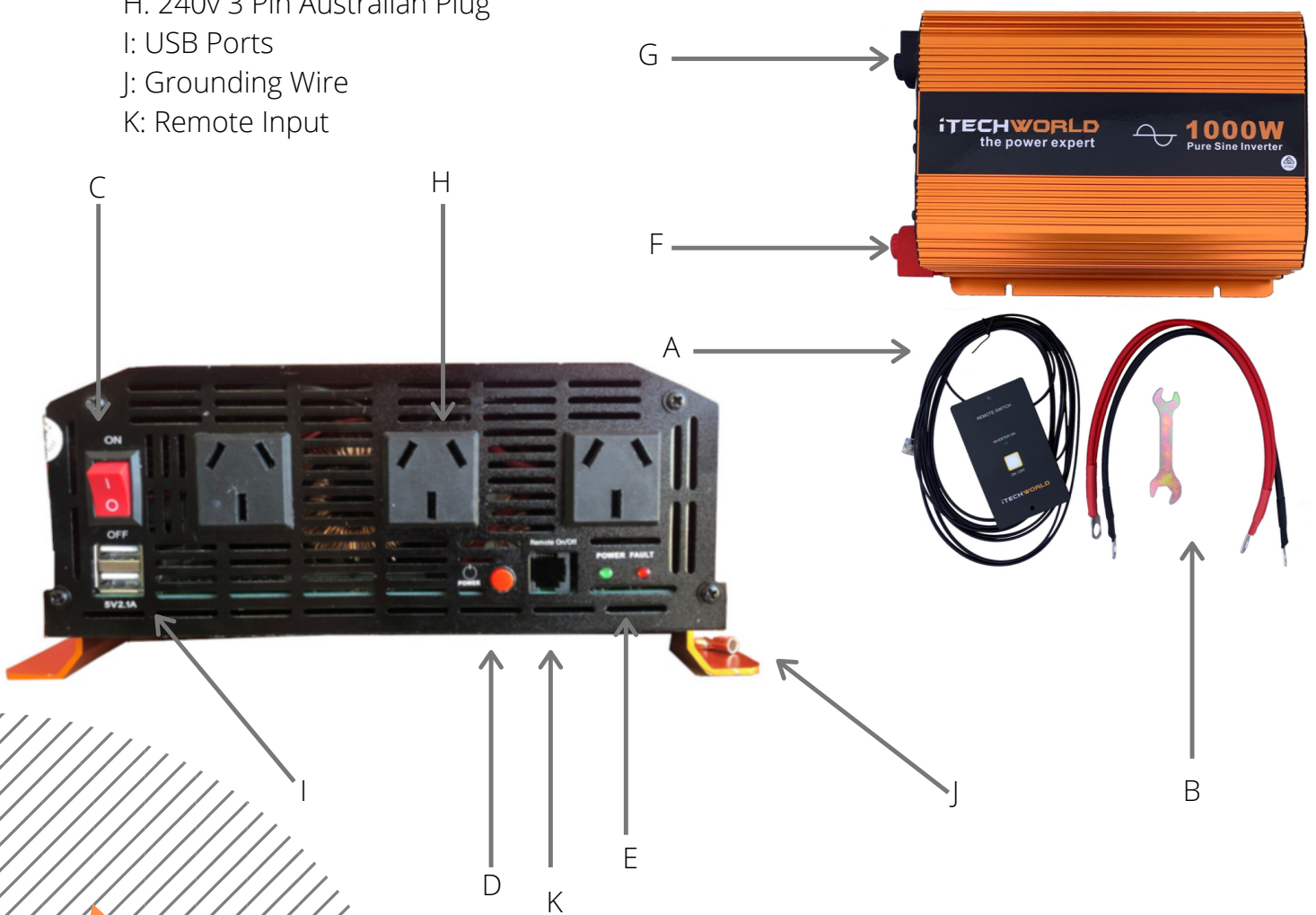
Thank you for purchasing the iTechworld Pure Sine Wave Inverter. With our state of the art, easy to use design, this product will offer you reliable service for providing AC power and 5V USB power for your home, boat, caravan, 4WD or commercial vehicle. The ITechworld Inverter can run many AC powered appliances when you need AC power anywhere. The 5V USB power can charge many USB powered devices. This manual will explain how to use this unit safely and effectively. Please read and follow these instructions and precautions carefully.



# KNOW YOUR GEAR

## PURE SINE WAVE INVERTER

- A. Remote Cable (not included with 400w model)
- B. Wiring Kit
- C. ON / OFF Switch
- D. Power Button
- E. Power and Fault Lights
- F. Positive Terminal
- G. Negative Terminal
- H. 240v 3 Pin Australian Plug
- I. USB Ports
- J. Grounding Wire
- K. Remote Input



# WIRING DIAGRAM

## PURE SINE WAVE INVERTER



# CONNECTING YOUR INVERTER

## PURE SINE WAVE INVERTER



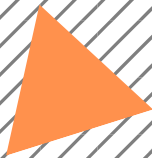

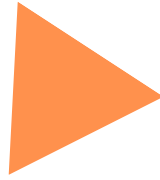
1. Remove the negative power cable from the inverter.
2. Connect the battery charger to the battery bank and switch on the charger
3. Put the inverter switch to the ON position then carefully connect the negative power cable to the inverter  
(NOTE THIS MAY CREATE A LARGE SPARK, THIS IS NORMAL AS IT IS CHARGING THE CAPACITORS IN THE INVERTER).
4. Check to see if the inverter now turns on and is operational, if not, disconnect then reconnect the negative inverter power cable again while the charger is still connected.
5. Switch off and remove the battery charger.

**PLEASE NOTE:** iTechworld recommends that you have your iTechworld Pure Sine Wave Inverter installed by a qualified technician. iTechworld does not take any responsibility for damages caused by incorrect installation.



# SAFETY WARNINGS

## PURE SINE WAVE INVERTER

1. Do not connect the iTechworld Pure Sine Wave Inverter to mains power as it will lead to overloading the inverter.
  2. Do not exceed rated power of the iTechworld Pure Sine Wave Inverter.
  3. An inductive load can draw up to 10 times its rated capacity. Please select the correct inverter for the load that you wish to run.
  4. If you are running an appliance with a locked rotor current (e.g. Vacuum pumps) please turn all other items running off of the iTechworld Pure Sine Wave Inverter.
  5. Do not connect the iTechworld Pure Sine Wave Inverter to an imbalanced battery.
  6. Keep inverters away from water, heat sources, direct sunlight and volatile gasses.
  7. Keep a minimum of 60mm space around sides of inverter to ensure adequate ventilation.
  8. Do not disassemble the iTechworld Pure Sine Wave Inverter. It will lead to a severe risk of shock.
  9. Please use a grounded antistatic wrist strap when working with the iTechworld Pure Sine Wave Inverter to avoid static discharge on sensitive components.
  10. Do not disconnect the leads while the power is on. Please allow 10 minutes minimum after switching off the inverter for residual charge to dissipate.
  11. **PLEASE NOTE: iTechworld recommends that you have your iTechworld Pure Sine Wave Inverter installed by a qualified technician. iTechworld does not take any responsibility for damages caused by incorrect installation.**
- 
- 
- 

# TECHNICAL SPECS

## PURE SINE WAVE INVERTER

Inverter	400w	1000w	2000w	3000w
AC Output Power	400w	1000w	2000w	3000w
AC Output Peak	800w	2000w	4000w	6000w
AC Output Voltage	240V	240V	240V	240V
Low Voltage Input Protection	9.5V DC	9.5V DC	9.5V DC	9.5V DC
High Voltage Input Protection	15.5V DC	15.5V DC	15.5V DC	15.5V DC
Operating Frequency	50Hz	50Hz	50Hz	50Hz
Weight	750g	2.7kg	3.8kg	4.8kg
Dimensions L x W x H	220 x 100 x 50 (mm)	320 x 225 x 90 (mm)	380 x 225 x 90 (mm)	430 x 225 x 90 (mm)
AC Output Socket	10A Australian Standard	10A Australian Standard	10A Australian Standard	10A Australian Standard
USB Sockets	2	2	2	2
Output Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Warranty	12 Months	12 Months	12 Months	12 Months
Fuse Size	80A	175A	250A	450A
Rated Current	60A	119A	238A	375A



# CONTACT

## 12V PURE SINE WAVE INVERTER

iTechworld  
281 Great Eastern HWY  
Burswood WA 6100

1300 483 249

[www.itechworld.com.au](http://www.itechworld.com.au)

[service@itechworld.com.au](mailto:service@itechworld.com.au)

