SWPSI2000/SWPSI3000

2000W/3000W Pure Sine Wave Inverter

Information for use

PRODUCT INFO streetwize.online/SWPSI2000

Produktinformation
Information du produit
Información sobre el producto

2000W Pure Sine Wave Inverter **SWPSI2000**	3000W Pure Sine Wave Inverter **SWPSI3000**
2000W Continuous Power	3000W Continuous Power
4000W Peak Output	6000W Peak Output

Table 1

Safely converts your 12V DC Battery to a 230V AC power supply

IMPORTANT: This inverter is only suitable for use with 12V batteries only. This appliance is primarily designed for operating Class 2 appliances.

Intention For Use

Thank you for purchasing this Pure Sine Wave inverter from Streetwize. This inverter safely converts your vehicle's 12V DC battery into a 240V AC power supply for using standard UK electrical appliances that totals up to its continuous output as stated in Table 1.

It is intended for people who require access to an AC power supply in areas where there is restricted access to a power suppy. It is perfect for caravan/ campervan users as well as tradespeople.

Pure Sine Wave inverters are able to operate more appliances than conventional modified sine inverters, which cannot operate appliances with an AC motor such as laser printers and fluorescent lights.

In addition, this pure sine wave inverter is primarily designed for operating a wide range of Class 2 appliances. Class 2 appliances are double insulated and do not require earth connections. Most computers, laptops, photocopiers, laser printers, cordless power tools, and plastic-cased appliances are identified as Class 2 appliances.

Class 1 appliances, on the other hand, are protected by basic insulation and earthing provision and most typically come in a metal casing. This product is not suitable for operating Class 1 appliances. Typical Class 1 appliances include toasters, kettles, washing machines and irons.

IMPORTANT: This inverter is primarily designed for powering appliances upto its stated continuous output as stated in Table 1. The stated peak output is only available for a limited time.

Health & Safety Guidelines

WARNING! Electric Hazard. Keep away from children

This inverter is not a toy, and it should never be used by children.

This inverter generates the same voltage as a UK 3-pin plug socket. Please operate it as if you are using any other AC mains socket.

Never insert any kind of foreign object into the inverter's plug sockets, fan or vent openings.

Do operate or expose the inverter to water, rain, snow or spray

Never connect the inverter to an AC power source. This inverter is only designed to accept a DC power supply.

WARNING! Heated Surface

The inverter's outer casing may become hot after prolonged use or overloading. During operation, ensure there is atleast a 5cm (2 inches) gap between the inverter and any other walls.

Please keep any flammable materials away from the inverter during operation.

WARNING! Explosion Hazard

Never use the inverter in the presence of flammable substances

CAUTION!

Do not connect a live AC power source to the inverter's AC output sockets. This will damage the inverter, even if the inverter is switched off.

Do not expose the inverter to temperatures over 40oC.

CAUTION! Do not use the inverter with the following equipment:

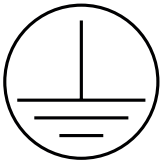
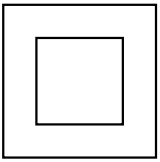
Class 1 appliances. See Class 1/Class 2 section.

Product Elements

1. Streetwize Pure Sine Wave Inverter
2. Battery connection cables

Class 1 / Class 2

As mentioned in the Intention For Use section, this product is primarily designed for operating **Class 2 appliances**, which don't require earthing provisions.

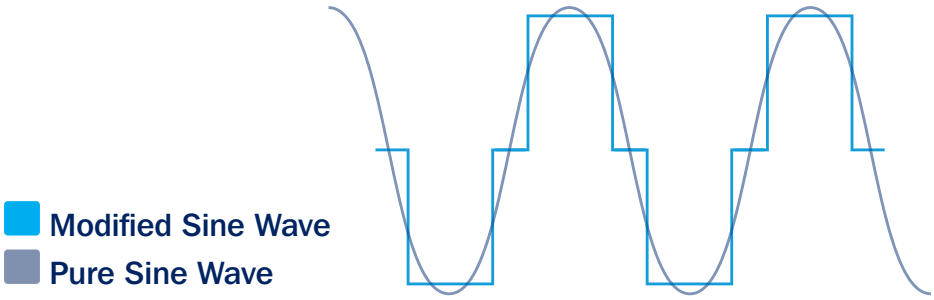
	Class 1	Class 2
Symbol		
Earth Wiring Present	Yes	No
Insulation	Basic Insulation	Double Insulation
Appliance casing	Metal	Plastic
Appliance examples	Toasters, kettles, washing machines and irons	Hedge trimmers, lawn mowers and drill

Pure Sine Wave & Modified Sine Wave Inverters

There are two types of inverters: Pure Sine Wave & Modified Sine Wave.

Pure sine wave inverters, when compared with modified sine wave inverters, deliver a more reliable performance as the 240V AC output is almost identical to a mains power socket, therefore making it the more preferred option for operating appliances.

The figure below shows a graphical comparison of modified sine wave inverters and pure sine wave inverters. Notice how the pure sine wave is smooth while modified is staggered.



Operating Instruction

Optimum Working Conditions

For safe & optimum performance, please install the inverter in a location that is:

- **Dry** - The inverter should not be near any liquid or moisture.
- **Cool** - Keep it away from any high heat source.
- **Well-ventilated** - Allow for atleast 5cm of space on all sides.
- **Clean** - To prevent any dust or unwanted elements from getting inside the inverter.
- **Away from flammable substances** - To prevent fire or explosion.

Battery Connection Instructions

Please follow the instructions to safely connect the pure sine wave inverter to your 12V battery.

1. Remove all the elements from its packaging and dispose of the packaging in the correct manner.
2. Make sure the power switch on the inverter unit is set to OFF.
3. On the reverse side of the inverter, you will find two terminals. One of the terminals will have a red casing (positive) and the other will have a black casing (negative) (see Figure 1). Remove the outer casing on both terminals (see Figure 2).

Fig 1

Fig 2

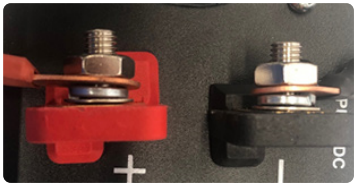


Fig 3

4. From both terminals, remove the bolts. Then connect the corresponding battery cables to the terminals via the cables' respective O-rings, and then secure the bolt back onto the terminal (see Figure 3).
5. Once the battery cables have been connected, proceed with connecting the other end of both cables to your vehicle's (or leisure battery's) 12V battery terminals. With the red cable going to the positive terminal and black cable to the negative terminal. You need a pair of battery clamps to secure it onto the cable (not included).

Using The Inverter

Once a safe and secure connection to the battery terminals have been made, you can proceed to use the inverter.

IMPORTANT: Before powering any appliances via the inverter, make sure the inverter is switched OFF via the unit's power switch.

With the battery connection securely made. Plug in your UK appliance(s) via the two provided sockets or USB device via the USB port. Then, set the inverter unit's switch to ON. To turn off, set the unit's to OFF.

How To Replace The Fuses

If the inverter does not operate properly, then it is likely that the fuse may need to be replaced. To replace the fuse, please follow the instructions below:

1. Before attempting to replace the fuse, first ensure that the inverter is fully disconnected from any DC power supply. And make sure that no UK appliance is plugged into the inverter.
2. At the front of the inverter, where the two UK sockets are located, unscrew the four screws with a Phillips screwdriver (not included) on each corner as highlighted in Figure 4.

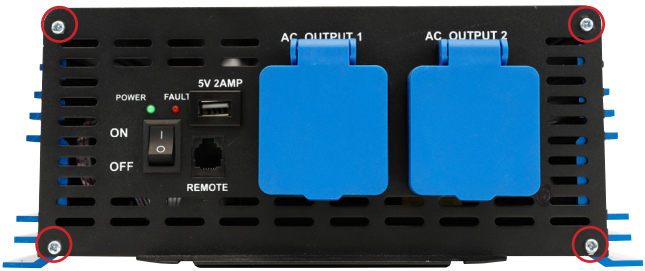


Fig 4

3. On the reverse side, using the same Phillips screwdriver, unscrew the screws located at the top two corners as shown in Figure 5.

Fig 5

4. Once the screws are removed, slide off the top panel and place it on the side. You will see the inverter's motherboard (see Figure 6).

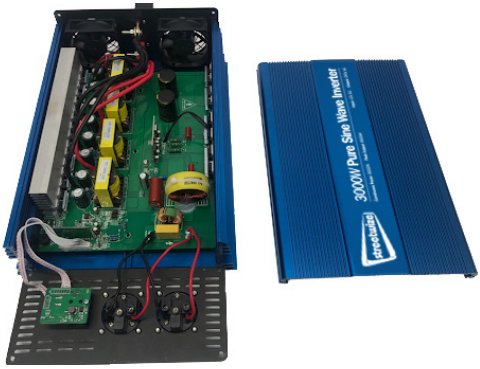


Fig 6

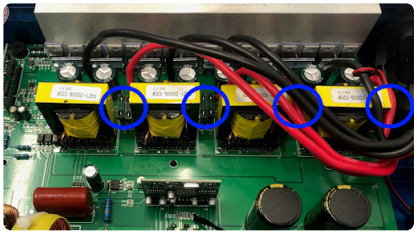


Fig 7

5. There are eight 30A fuses altogether. The fuses are paired together and they are located inbetween the yellow marked components as shown in Figure 7. Please note, some of the fuses will be underneath red & black wiring. Please take care when lifting these cables.
6. To replace the fuses, please use a suitable pair of tweezers (not included) to pull the old fuse out. Then replace these fuses with new 30A fuses.
7. Once all the fuses have been replaced, slide the lid back on top and replace the screws on both the front and back panel.

Troubleshooting

Troubleshoot/Problem	Possible Cause	Suggested Solution
Inverter is not working	Poor battery connection	Turn off the inverter and disconnect it from the battery. Then reconnect the inverter to the battery and check to see if the connection is correct
	Short Circuit	Turn off the inverter and disconnect it from your 12V battery. Reconnect the inverter to the battery's terminals and check to see if terminal connections are correct.
	DC input is below 10V	Turn off the inverter and disconnect it from your 12V battery. Please check the Voltage of your battery. This inverter is only suitable for 12V batteries only.
		Turn off the inverter and
	DC input is above 15V	disconnect it from your 12V battery. Please check the Voltage of your battery. This inverter is only suitable for 12V batteries only.
	Blown Fuse	Check and replace the fuse. See How to Replace The Fuses
Inverter gets really hot	Overheat	Turn off the inverter and disconnect it from your 12V battery and allow the inverter to fully cool down. Ensure your inverter is operating in a cool area.
Inverter shuts down after operating for a short time	Overload	The total Wattage is exceeding the inverter's specified continuous power output. Turn off the inverter and disconnect it from your 12V battery. Then disconnect any appliances that are not required to reduce the Wattage load.

After Use

After you have finished using the inverter (or when the inverter is not in use), turn off the unit and make sure your vehicle's fully switched off.

Then disconnect the inverter from the 12V power supply. When disconnecting from the battery, disconnect the negative cable first, followed by the positive cable.

Best Practices for Protecting Your 12V Battery

- To prevent your vehicle's 12V battery from being depleted. We recommend running the engine for 10 to 20 minute to recharge the battery after using the inverter for 2 to 3 hours. Important: Before starting your vehicle's engine, please disconnect the inverter from your battery/power supply.
- When connecting the inverter to your battery's terminals, it is important that you connect it via the correct polarity (i.e. Connect + from inverter to + of battery terminal and connect – from inverter to – of battery terminal) to prevent reverse polarity.
- When you are using the inverter and you hear a beeping sound coming from the inverter, this means your 12V battery is low. To recharge, disconnect the inverter from your battery and turn on the engine for 2 to 3 hours.
- When charging your 12V battery using a battery charger, please disconnect the inverter.
- Only operate Class 2 appliances

Technical Specifications

2000W Pure Sine Wave Inverter

Supplier Code	SWPSI2000
Product Name	Streetwize 2000W Pure Sine Wave Inverter
Continuous Output	2000W
Peak Output	4000W
Input Voltage	12V DC
Output Voltage	230V AC
UK sockets	2
USB Output	5V DC
Fuse requirements	8 x 30A blade fuses

3000W Pure Sine Wave Inverter

Supplier Code	SWPSI3000
Product Name	Streetwize 3000W Pure Sine Wave Inverter
Continuous Output	3000W
Peak Output	6000W
Input Voltage	12V DC
Output Voltage	230V AC
UK sockets	2
USB Output	5V DC
Fuse requirements	8 x 30A blade fuses

Technical Support

If you require any technical support for your product within the warranty period, please contact us on:

support@streetwizeaccessories.com

and provide the product name and supplier code (see Technical Specifications) along with the technical query and proof of purchase.

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