



Voltshield™ **VOLTGUARD**

Instruction manual



Important: This manual contains important safety instructions.
Keep this manual handy for reference.

Please read the following information before using this product:

This product should not be used on the output of any inverter/UPS/PowerBack systems unless they are of a pure sinewave type, otherwise irreparable damage to this product may result.

Guarantee

Sollatek (UK) Ltd guarantee that if within 2 years of purchase this appliance fails due to faulty workmanship or materials we will repair or replace it free of charge provided that:

- The appliance has been correctly installed and used within the electrical range as specified on the appliance nameplate.
- The appliance has been used in accordance with the operating instructions.
- There has been no attempt to open the unit for any reason whatsoever.
- The unit is returned to Sollatek or Sollatek agent in good condition.
- Sollatek shall not be liable under the terms of this guarantee for any material fault or damage as a result of failure of this appliance.
- This guarantee does not affect your statutory or Common Law rights.

Warranty

Sollatek's warranty covers the Sollatek unit only and not any other equipment connected to it. Sollatek will not accept any consequential loss or damage to any equipment connected to it directly or indirectly.

The warranty will only be honoured if the Sollatek item has been used properly and not been tampered with. The warranty is strictly on return to base at the expense of the owner. In certain circumstances, Sollatek may offer to return the repaired item back to the owner.

The warranty will be void if warranty Seal (where applicable) is broken or the unit has been opened or tampered with. The warranty obligation does not cover any additional charges the owner may incur as a result of the item needing repair or being sent back to an authorised service centre or a Sollatek workshop.

Caution: Opening a Sollatek product may impair its function and render it inoperable. Only experienced Sollatek technicians can service the unit.

Description

The VOLTGUARD (rated at 6Amps maximum) is designed to protect all electrical and electronic appliances against voltage fluctuations (high and low), brown outs, frequent power cuts, and power-back surges.

AVS™ function

The VOLTGUARD will disconnect the power to your appliance if the mains goes below or above (user adjustable using iSense™) pre-set limits. The VOLTGUARD will re-connect automatically only after the supply has returned to acceptable limits after the set delay time. You can set the standard delay time to 30 seconds or 3 minutes using the front dial.

TimeSave™ function

With a built in TimeSave™ function, the VOLTGUARD will reconnect automatically in 10 seconds if the unit has been switched off for more than the set standard delay (30 seconds or 3 minutes), thereby ensuring longer operating time and reducing unnecessary longer start up delay.

iSense™ function

The iSense™ technology allows you to control how sensitive the VOLTGUARD is to voltage problems. Using the iSense™ dial you can set the desired level of protection and startup delay.

Dial settings

There are four settings available:

1. Blue / H

3 minute startup delay at High setting. Ensures greater protection by narrowing the acceptable voltage limits. This is ideal for users with less erratic mains supply that require better protection. This is ideal for compressor based loads for example: fridges, coolers etc.

2. Blue / L

3 minute startup delay at Low setting. Ensures more working time as it will tolerate wider acceptable voltage limits. This is ideal for users with more erratic mains supply that constantly switches off, providing a wider window of acceptable voltage limits. This is ideal for compressor based loads for example: fridges, coolers etc.



3. Red / H

30 second startup delay at High setting. Ensures greater protection by narrowing the acceptable voltage limits. This is ideal for users with less erratic mains supply that require better protection. This is ideal for electronic equipment such as PC, TV, Satellite etc.

4. Red / L

30 second startup delay at Low setting. Ensures more working time as it will tolerate wider acceptable voltage limits. This is ideal for users with more erratic mains supply that constantly switches off, providing a wider window of acceptable voltage limits. This is ideal for electronic equipment such as PC, TV, Satellite etc.

Please read carefully

1. Make sure that your load does not exceed the rating of the VOLTGUARD which is 6Amps. If this is exceeded, the VOLTGUARD may be damaged, and the warranty will be void.

2. Plug the VOLTGUARD into the mains and plug the appliance into the VoltGuard.

3. Do not connect more than one appliance to the VOLTGUARD.

4. On first switching on, the bottom red LED ❶ will come on and there will be no output while the VOLTGUARD monitors the mains. If the mains level is acceptable, the bottom Yellow LED ❷ comes on indicating that the VOLTGUARD is in wait mode. At the end of the wait mode and if the supply is within the acceptable range the green LED ❸ will come on and the load is connected.

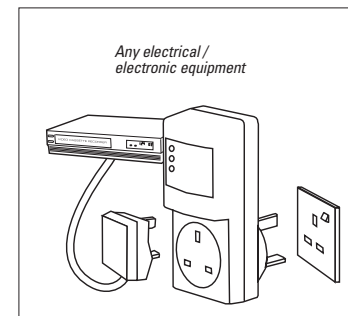
5. In normal operation, if the bottom or top red LED comes on indicating the incoming voltage is too low or too high respectively, the VOLTGUARD will switch off the power to protect your appliance starting the set standard delay, 30 seconds or 3 minutes, depending on the dial position. The bottom or top yellow LED comes on when the voltage recovers from low or high voltage respectively. After the time delay is over, the green LED will come on and the power will be connected to your appliance.

6. The VOLTGUARD is fused internally. The rating of the fuse is 6Amps. Changing of the fuse is only authorised at Sollatek service centres (see www.sollatek.com for full listing). If the unit is opened or tampered with by an unauthorised individual the warranty will be void.

7. It is recommended that the VOLTGUARD is kept plugged in and switched on, and the appliance is switched on or off as required.

8. You can adjust the iSense™ dial to suit your desired protection level and standard delay. Refer to the iSense™ function description opposite.

CONNECTION DIAGRAM



Safety

• All equipment designed and manufactured by Sollatek (UK) Ltd complies with the latest safety codes of practice. You should still follow all safety instructions and use caution when installing and operating electrical equipment.

• To avoid the risk of shock, DO NOT expose this equipment to rain, moisture or liquid spillage.

• Before attempting to use, ensure that the total loading of your equipment does not exceed the maximum rating of this unit.

• To check the rating of this unit, refer to the label on the back of the unit.

• Do not attempt to dismantle this unit, to do so will invalidate the warranty. There are no user serviceable parts inside.



❶ Red LED = no output



❷ Yellow LED = wait



❸ Green LED = full output

Specifications

Nominal voltage	230V
Current rating	6Amps
Mains spike response time	<10ns
Mains spike discharge amps	6.5kA
Spike protection	160J
Maximum settable wait time	3 minutes
Minimum settable wait time	30 seconds
TimeSave™ delay	10 seconds
iSense high sensitivity (H)	190-255Vac
iSense low sensitivity (L)	180-265Vac



SOLLATEK (UK) LTD

UNIT 10 POYLE 14,
NEWLANDS DRIVE, POYLE,
SLOUGH SL3 0DX,
UNITED KINGDOM

Tel: International +44 1753 688300 National 01753 688300

Fax: International +44 1753 685306 National 01753 685306

E-mail: sales@sollatek.com

www.sollatek.com