

TROUBLE SHOOTING

Use the table below to solve minor problems.

Problem	Possible Cause	Solutions
Nothing is displayed on LED/LCD panel.	The UPS is not on.	Press the power switch again to turn on the UPS.
	Battery voltage is too low.	Charge the battery at least 8 hours.
	Battery fault.	Replace the battery.
The UPS always on battery mode.	Power cord loose.	Re-plug the power cord.
The UPS continuously beeps.	Please check the fault code for the details.	Please check the fault code for the details.
Backup time too short.	Battery voltage is too low.	Charge the battery at least 8 hours.
	Overload.	Remove some unnecessary loads. Before reconnecting equipment, please verify that the load matches the UPS capability specified in the specs.
	Battery defect.	Replace the battery.

SPECIFICATIONS:

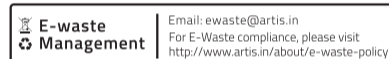
Model:	Powersafe 1500VA LCD
Capacity:	1500VA
Input Voltage:	230 V AC Voltage Range: 140 to 300 V AC
Frequency:	50 Hz
Output Waveform (batt mode):	Simulated sine wave
Battery:	12V 9AH x 2
Recharge time:	6-8 Hrs (Recharge to 90% Capacity)
Backup time:	Upto 75 mins* (Standard PC Load + 18.5" LED monitor)
Transfer time:	Typical – 2 to 4 ms ; Maximum – 10ms
LCD Screen:	Indicates Input voltage, Output voltage, Battery Load level and UPS status
Alarm Backup Mode:	LCD Display
Low Battery:	Beeping Every Second
Overload:	Beeping every 0.5 Seconds
Fault:	Continuous beeping
Net weight:	10.4Kg
Dimensions:	320mm x 130mm x 182mm
Compatibility:	For use with PC / IT equipment

* Battery backup may vary depending on the configuration of computer system & other devices used.

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POWERSAFE 1500VA LCD

USER MANUAL

INTRODUCTION

Thank you for purchasing an Artis Product
This UPS is designed to work with a personal computer and its peripherals

THE MAIN FEATURES OF THIS UPS ARE LISTED BELOW:

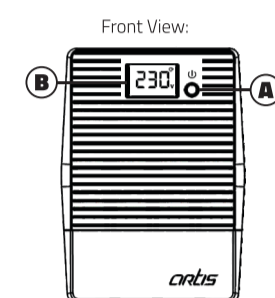
- Line interactive Design: Compact Size & Light weight
- Superior microprocessor control: Guarantees high reliability
- Microload Detection: Ideal for Routers, Network Switches & Low powered devices
- Automatic Voltage Regulator (AVR) for Boost and Buck: Guarantees Voltage stabilization
- Cold Start Function
- Auto Restart while AC Recovery
- AC overload Protection
- Discharge, Overcharge and Overload Protection
- Generator Compatible

BOX CONTENTS: 01 N 1500VA LCD, 01 N User Manual, 01 N Warranty Card

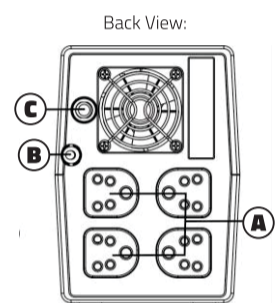
1500VA UPS Mode	LCD	Description
UPS Power On		When UPS is powered on, it will enter this mode for 4 seconds.
AC Mode		LCD information will be displayed in the following order when LCD is touched. 1. Output Voltage 2. Input Voltage 3. Load Level 4. Battery Capacity When AVR is functioning, icon will flash every second.
Overload in AC mode		When overload occurs, alarm will beep every 0.5 second. icon will flash
Battery Mode		Alarm will beep every 10 seconds and LCD information will be displayed in the following order when LCD is touched. 1. Output Voltage 2. Input Voltage 3. Load Level 4. Battery Capacity
Overload in battery mode		When overload occurs, alarm will beep every 0.5 second. icon will flash

Note: If backlight shuts off, you may activate it by touching the screen. *Check LED table base on the real product.

PRODUCT OVERVIEW:



A. Power Button
B. LCD Screen Touch Display



A. Output Receptacles
B. AC Input
C. Trip / Reset

Fault Code Table:

Fault Condition	LCD	Solutions
Output short circuited		Disconnect short-circuited loads and restart the UPS again
Overload Fault		Disconnect all output loads and restart the UPS again.
Overcharge		Call for service immediately
Bad or severely discharged battery		Please replace the battery
High output voltage fault		Call for service immediately
Over-temperature		1. Turn off the unit and wait for cooling 2. Or remove excessive loads and wait for cooling.

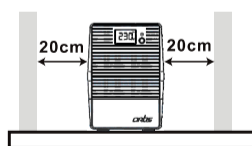
If fault alarm occurs, please call for service immediately.

INSTALLATION, INITIAL STARTUP & OPERATION

NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged.

PLACEMENT AND STORAGE CONDITIONS:

Install the UPS in a protected area that is free of excessive dust and has adequate air flow. Please place the UPS away from any other devices or walls by at least 20 cm to avoid interference. Do NOT operate the UPS where the temperature and humidity is outside the specified limits. (Please check the specifications table for the limitations.)



CONNECTING TO A POWER SOURCE AND CHARGING

Plug in the UPS AC input cord to the wall outlet. For best results, please charge the battery for at least 8 hours before initial use. The unit charges its battery once it is connected to a Wall outlet and is switched on



CONNECTING YOUR PC/PERIPHERALS/DEVICES

Plug in your devices or PC to the output receptacles on the rear panel of the UPS. Simply turn on the power switch of UPS unit, then the devices connected to the UPS will be protected by UPS unit.



CAUTION: Never connect a laser printer or scanner to the UPS unit. This may cause the damage of the unit.

TURNING THE UPS UNIT ON/OFF

Turn on the UPS unit by pressing the power switch. Turn off the UPS unit by pressing the power switch again

DC START FUNCTION

DC start function enables the UPS to be started up when AC Power is not available and the battery of the UPS is fully charged. Simply press the power switch to turn on the UPS.

IMPORTANT SAFETY INSTRUCTIONS

To safely operate this UPS please read and follow the below mentioned instructions carefully. Please read this user manual thoroughly before attempting to unpack, install and operate the UPS. Please safely store this user manual for further reference if required.

- This UPS utilizes voltages that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user replaceable parts. Please visit a authorized service center for repairs.
- To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)
- To reduce the risk of overheating the UPS, do not cover the UPS's cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as space heaters or furnaces.
- DO NOT attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- Do not plug the UPS input into its own output.
- DO NOT allow liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
- In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to properly disable the UPS.
- DO NOT attach a power strip or surge suppressor to the UPS.
- With the installation of this equipment, it should be prevented that the sum of the leakage current of the UPS to the connected consumer exceeds 3.5mA.
- Attention hazardous through electric shock. Also with disconnection of this unit from the mains, hazardous voltage still may be accessible through supply from battery. The battery supply should be therefore disconnected in the plus and minus pole at the quick connectors of the battery when maintenance or service work inside the UPS is necessary.
- CAUTION! Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.
- CAUTION! When replacing the batteries, use the same number and type of batteries.
- CAUTION! Internal battery voltage is 12VDC. Sealed, lead-acid, 6-cell battery.
- CAUTION! Do not dispose of batteries in a fire. The battery may explode. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes.
- CAUTION! Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
- CAUTION! A battery can present a risk of electric shock and high short circuit current.

The following precautions should be observed before replacing batteries:

- 1) Remove watches, rings, or other metal objects.
- 2) Use tools with insulated handles.
- 3) Wear rubber gloves and boots.
- 4) Do not lay tools or metal parts on top of batteries.
- 5) Disconnect charging source prior to connecting or disconnecting batteries terminal.

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