



ELECSTOR

USER MANUAL



Thank you for choosing the
ELECSTOR - Offline UPS

Before operating this unit, please read the USER MANUAL carefully to get the most out of the device.

THANK YOU FOR PURCHASING THE ELECSTOR - Offline UPS

This product has passed strict quality inspection. According to the instructions of this warranty card, we are responsible for the free maintenance of hardware failure caused by product quality problems under normal use within the warranty period.

Warranty Description: (the warranty scope is limited to the main engine, excluding accessories and free gifts.)

1. All users who purchase this product will enjoy the package service according to the relevant national regulations.
2. If the product has quality problems and is not damaged, disabled or repaired by the user, and is still packaged in good condition, it can be replaced within **7 days** of purchase.
3. The Elecstor - Offline UPS Battery comes with the following warranty:
 - **3 month** warranty on the battery
 - **6 month** warranty on device
4. The warranty will be invalid under the following circumstances; maintenance service will be provided, but the corresponding parts and repair fees will be charged for the maintenance:
 - Damage was caused by user error, including damage caused by using product in abnormal working environments and not following the instruction manual, etc.
 - The user disassembles the machine, repairs or refits themselves or by an unauthorized organization
 - Damage caused by force.
 - There is no warranty card and valid purchase verification, and user information cannot be verified.
 - Product barcode and production date are torn (outer package)
 - Product QR code is damaged (product ontology).
 - Beyond the warranty period.

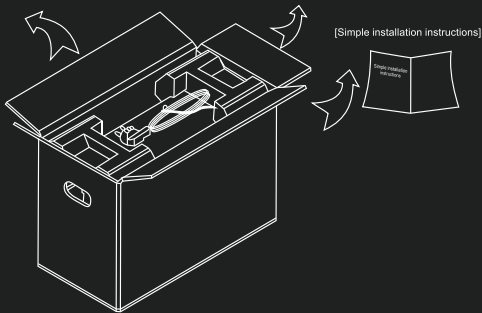
ELECSTOR - WARRANTY CARD

USER NAME	
PURCHASE DATE	
CONTACT DETAILS	
PRODUCT MODEL	
SALES UNIT	
SALES ADDRESS	
CUSTOMER ADDRESS	
INVOICE NUMBER	

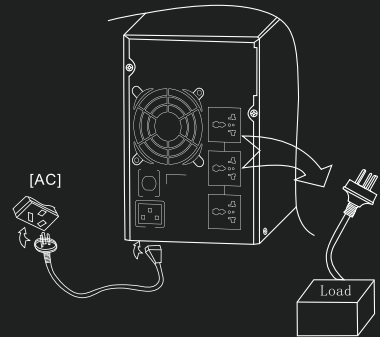
INTRODUCTION

An ideal companion for your workstation, this offline UPS will keep your crucial equipment safe and powered so that you can safeguard your important data, with short circuit protection it adds a safeguard to help keep your critical components safe. Keep your data uncompromised with the Elecstor Offline UPS, designed to keep your workstation on when the power goes out so that you can save your critical data and shut down safely.

PRODUCT INSTRUCTIONS

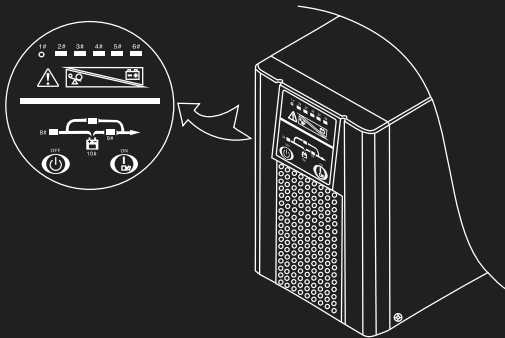


- 1** Open the carton and remove the UPS. Plug the power cord from the UPS into a wall outlet.



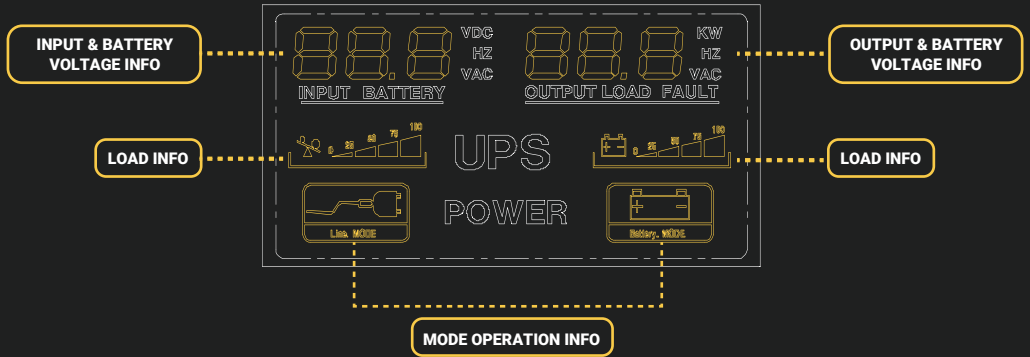
- 2** Ensure that the voltage, and frequency of the input power is suitable for the UPS. Charge the unit for 8 hours before using the UPS. The UPS will charge only when it is connected. Ensure the UPS has no visible damage. Your UPS should include the following within the shipping box the UPS and the user manual.

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1. Press & hold the main power switch for 2 seconds, the green light will appear once the UPS is on.
2. The UPS input is connected to the AC power, and the output socket is connected to the load. The total output power of your device must not exceed the total power of the UPS.
3. Plug the power cord of the device to be protected (e.g. computer, monitor, etc.) into the outlet of the back panel and turn on your device.
4. Do not connect a laser printer to the UPS, as a laser printers voltage load is very high and may cause a higher drain from the UPS.
5. Press and hold the power button to turn the device off.

LCD PANEL



LCD DISPLAYS ON NORMAL MODE

Digital display shows the input voltage and output voltage on the left and right sides. It will show the input voltage and output voltage in normal mode. If the ups faults, voltage parameters are displayed for 7s, then alarm information is displayed for 3s.

Left digital tube	Alarm Cause	Right digital tube
ALA	Battery Voltage Too Low	27
	Battery Voltage Too High	28
	Overload	31
	Load time is enough to shut down	32
	Standard Model UPS With Loading 2 hours or Countdown of plan Shutdown time	33

In the event of UPS failure, please check the following and contact our support team:

1. Whether the UPS power cord is properly connected.
2. Whether the output fuse is blown.
3. Make sure the input voltage of your device is compatible with this UPS system.

When you call for services, please provide the following information:







1. The UPS type, series no. of UPS.
2. The date of problem appearance.
3. Explanation of the problem.

LCD DISPLAYS ON NORMAL MODE

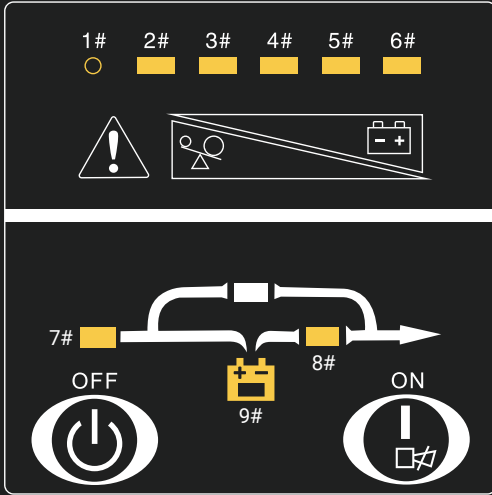
Error codes visible after the UPS powers off.

Err	Phenomena	Code
	Short Circuit or Wrong Phase Setting	105
	Battery Low	134
	Overload	102
	Inverter Output Low	123
	Full load running time is approaching. UPS is about to shut down	104

LED INDICATOR AND BUZZER WARNING

Status	Led	Alarm	Notice
Model	600VA-2200VA		
AC power supply	 Light on green colour		
	 Light on yellow colour every twenty seconds(charging)		
	 Light on yellow colour(battery full)		
	 Light on yellow colour(battery full)		
Battery (DC) power supply	 Light on red colour	Ringing one time every 6 seconds	
Battery exhausted warning	 Light on red colour	Continuous ringing	To turn off the computer

TROUBLESHOOTING



1#: Fault indicator light

2#: Load/battery capacity indicator

3#: Load/battery capacity indicator

4#: Load/battery capacity indicator

5#: Load/battery capacity indicator

6#: Load/battery capacity indicator

7#: AC mode indicator

8#: Transfer indicator

9#: Battery indicator

When your UPS is malfunctioning, please check and troubleshoot according to the UPS fault handling table. If the problem persists, please contact our customer support team. When reporting the problem to our customer support team, please be sure to record and inform the above information:

UPS model (MODEL NO.), machine batch number (SERIAL NO.)

The following table provides a list of troubleshooting tips:

Problems	Possible Causes	Solutions
The AC is normal, but the UPS is not charging.	Input power fault	Please contact our support.
Battery discharging time is too short.	Low battery	Keep UPS connected to the AC power for more than 10 hours to recharge the battery.
	UPS overload	Check the load level and remove non-critical equipment.
	As the battery ages, its capacity decreases.	Please contact our support.

Problems	Possible Causes	Solutions
After pressing the power button, UPS cannot be started.	Input power fault	Check input power
	Fuse on board and rear panel	Change the fuse and reset
	Pressing the on key to the UPS is too short	Pressing "ON" for over 3 seconds
Without utility power indicator, alarm beeps every 6 seconds	Power failed	Check input power
	Fuse on the board and rear panel	Change the fuse and reset
Red LED light is on, beeping constantly	Overload/battery voltage is too low	Reduced load/charge UPS/call for service
Battery discharge is less than the standard	Battery charge not enough	Charge the unit for 8 hours continuously, then test the discharge time. If the issue is not resolved, call for service.
	Battery fault	
	Charge fault	
The 1#-6# lights flash in cycles, The UPS will shut down after the buzzer rings for a period of time.	UPS shuts down due to internal overheating	Make sure the UPS is not overloaded, the vents are not clogged, and the indoor temperature is not too high. Wait 10 minutes for the UPS to cool down and then restart. If this fails, contact our support.
Fault indicator light 1# and 5# is on and the buzzer is ringing.	UPS shuts down due to internal malfunction	Please contact our support.
Fault indicator light 1# and 4# is on and the buzzer is ringing.	UPS shuts down due to internal malfunction	Please contact our support.
Fault indicator light 1# and 3# is on and the buzzer is ringing.	UPS overcharge protection	UPS charger has malfunctioned, please contact our support.
7#: AC mode indicator flashes	The AC voltage or frequency exceeds the input range of the UPS	UPS is in battery mode, save your data and close your applications to ensure that the AC power is within the input voltage or frequency range allowed by UPS.
Fault indicator light 1# and 2# is on and the buzzer is ringing.	In battery mode, UPS overload or the connected load has caused the equipment to fail	Check the load level and remove non-critical equipment, recalculate the load power and reduce the number of loads connected to the UPS, check if the load device is faulty.
The 1# and 6# lights flash in cycles, the UPS output short circuits and the buzzer is ringing.	The UPS input circuit breaker disconnects	Turn off the UPS, remove all the loads, confirm that there is no fault or internal short circuit in the load, restart the UPS, if it fails, please contact our support.
The buzzer rings every second.	Battery voltage is too low	Please contact our support.

SPECIFICATIONS

Model		600va-2200va
Input	Voltage	110vac/220vac \pm 25%, (5% adjustable)
	Frequency	50hz or 60hz \pm 6%
Output	Frequency	50hz or 60hz \pm 1%
	Voltage	110vac/220vac (\pm 10% adjustable)
	Transfer time	<10msec (10 msec on system check)
	Waveform	Sine wave under municipal supply, square wave under battery operation
Protection	Load input	Fuse for overload & short circuit protection
	Short circuit	Fuse & current limited & cut off
Battery	Backup time	15-35 mins depend on the load
	Type	Sealed lead-acid battery
	Protection	Auto-inspection, discharge protection and battery fault caution
	Battery	Normally battery is charge once three months; it isn't less than 6 hours once a time.
Audible alarm	Battery supply Power	Sufficient battery capacity, buzzer rings every 6 seconds red light flash
		Insufficient battery capacity, buzzer rings every 1 second, red light flashing
	Battery low Voltage or Overload/Short circuit	Buzzer keep rings, red light on Continuously



ELECSTOR - ECO SYSTEM

MINI DC UPS



PERFECT FOR NETWORKING DEVICES AND FOR KEEPING YOUR PHONE CHARGED DURING AN OUTAGE

PORTABLE POWER STATIONS



AVAILABLE IN 100W, 300W AND 500W PORTABLE POWER STATIONS

RECHARGABLE LOADSHEDDING GLOBES



PERFECT FOR KEEPING THE LIGHTS ON DURING A POWER OUTAGE

TECHNICAL PARAMETER

Capacity	1600W
Input voltage range	145-280+5VAC
Input frequency	50Hz
Voltage	175VAC
Output voltage	220vac \pm 10%
Frequency range	50HZ \pm 1HZ
Transfer time	<6ms
Waveform	Pure sine wave
Battery type &quantity	12V7AH*4
Battery standby time	About 7 minutes(half load)
Battery charging time	4 hours to 90% of full capacity
Led indicators - ac mode	AC mode,load level, battery capacity
Led indicators - battery mode	Battery capacity
Audible alarm - battery mode	Alarm beeps every six seconds
Audible alarm - low battery	Alarm beeps every second
Audible alarm - overload	Alarm beeps every 0.5 second (Alarm beeps twice every second)
Audible alarm - fault	Alarm beeps continuously
Overload protection (ac mode)	Overload protection and circuit breaker
Overload protection (battery mode)	Circuit breaker
Comprehensive protection	Overload,deep discharge and Over-charge protection
Environment and humidity	10%~90%
Dimensions	405x144x213mm
Safety requirement	GB4943-2011
Antistatic ability	GB7260.2/IEC61000-4-2 (ESD)
Resist radiation and interference ability	GB7260.2/IEC61000-4-3 (RS)
Power pulse interference resistance ability	GB7260.2/IEC61000-4-4 (EFT)
Lightning protection/surge protection	GB7260.2/IEC61000-4-5 (SURGE)

*:The initial capacity of the new battery will change depending on the working environment and discharge frequency.



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