



# 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


<b>USER NAME</b>	
<b>PURCHASE DATE</b>	
<b>CONTACT DETAILS</b>	
<b>PRODUCT MODEL</b>	
<b>SALES UNIT</b>	
<b>SALES ADDRESS</b>	
<b>CUSTOMER ADDRESS</b>	
<b>INVOICE NUMBER</b>	


# 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.

## SYMBOLS IN THESE INSTRUCTIONS FOR USE

Important information for your safety is specially marked. It is essential to comply with these instructions in order to avoid accidents and prevent damage to the machine:

 **WARNING:** This sign warns you of dangers to your health and indicates possible injury risks.






 **CAUTION:** This sign refers to possible hazards to the machine or other objects.

 **NOTE:** This sign highlights tips and information

## GENERAL NOTES

Read the operating instructions carefully before operating the unit and keep the instructions including the receipt and, if possible, the box. If you give this device to other people, please also pass on the operating instructions.

## SAFETY INSTRUCTIONS

1. Check that the voltage indicated on the appliance rating label corresponds to the voltage in the mains.
2. Always plug the UPS into an outlet that is earthed.
-  **Risk of electric shock!**
3. Do not use the device outdoors.
4. Do not place / use the UPS near dusty areas.
5. Keep it away from sources of heat, direct sunlight, humidity (never dip it into any liquid) and sharp edges.
6. Do not use the appliance with wet hands.
-  **Risk of electric shock!**
7. Do not place / use the UPS on or near flammable material and sources of heat.
8. Do not place / use the appliance near places with very high or very low temperatures (above 40°C or below 0°C).
9. Do not place / use the appliance near places with a very high humidity level (above 90%).
10. Do not place / use the appliance near places with severe vibration.
11. Charge the UPS battery for at least 8 hours before using the device for the first time.
12. If the UPS is not used for a long time, charge the battery for at least 8 hours before use it in order to avoid damage.
13. UPS is designed exclusively for use with computers only. Do not connect the device to other induction or capacitive load devices e.g. laser printers or scanners.
14. It is prohibited to use the UPS with vital support devices because in the event of failure, the devices will stop working. Violation of this particular security and liability is solely the responsibility of the user.
15.  **WARNING:** Do not operate the appliance with a damaged cord. In order to avoid the risk of an electric shock, never try to repair the appliance by yourself. Bring it to the authorized service station for repair.
16.  **WARNING:** It is hazardous for anyone other than a trained person to carry out any service or repair operation which involves the removal of cover of UPS. To reduce risk of electric shock, UPS should be only be opened by an authorized technician when service is required.
17.  **WARNING:** Do not place objects containing water or any other liquid on the UPS in order to avoid the risk of a short circuit.

 **Risk of electric shock! Risk of fire!**

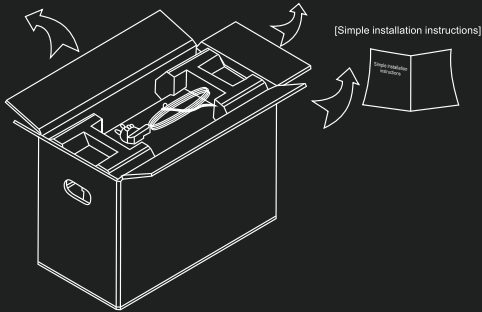
18. To protect against electric shock, do not immerse the cord, plug or unit in water or any other liquid.
19. In case of fire, use a dust extinguisher. The use of a liquid extinguisher is prohibited. **⚠ Risk of electric shock!**
20. Do not place objects on the UPS.
21. **⚠ CAUTION:** Do not connect devices load higher than UPS can handle.
22. Place the device on a flat and stable surface.
23. Keep a distance of at least 15cm around all sides of UPS.
24. Make sure the power cord is easily accessible at all times.
25. When cleaning or storing the device, switch off the appliance and always pull out the plug from the socket (pull the plug, not the cable).
26. Keep the device and its cord out of the reach of children.
27. In order to ensure your children's safety, please keep all packaging (plastic bags, boxes, polystyrene etc.) out of their reach.

**⚠ WARNING:** Do not allow small children to play with the foil. **Danger of suffocation!**

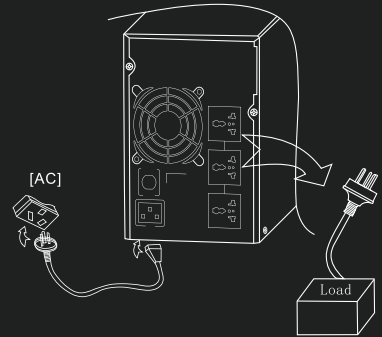
## SPECIFICATIONS

Model		3000VA
Input	Voltage	145-280 ± 5VAC
	Frequency	50hz
Output	Frequency	50Hz ±1%
	Voltage	220V AC ± 10%
	Transfer time	<6ms
	Waveform	Pure sine wave
Protection	Load input	Safety for overload and short circuit operation
	Short circuit	Power safety and limitation and power failure
Battery	Backup time	7 minutes (Half load)
	Type	12V 7.2Ah x4
	Protection	Automatic operation control, discharge protection and battery error warning
	Battery charging time	4 hours for 90%
Notification	Low battery sound	Sufficient battery capacity, audible alarm every 6 seconds red light flash
		Insufficient battery capacity, audible alarm every 1 second
	Battery/Overload/Short circuit	Audible alarm every 0.5 seconds / Continuous audible alarm

# PRODUCT INSTRUCTIONS

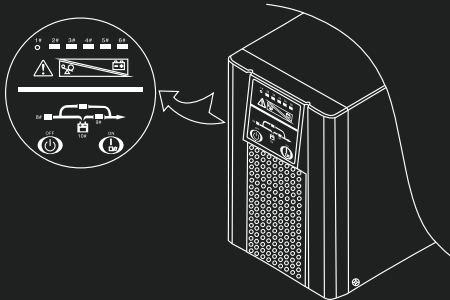


**1** Open the carton and remove the UPS. Plug the power cord from the UPS into a wall outlet.



**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.

**3**



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.

## Buttons

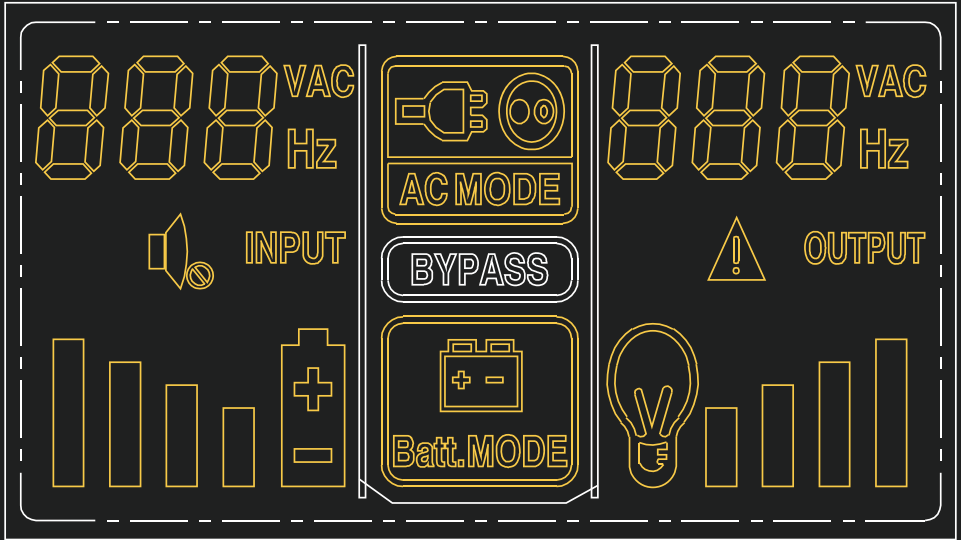
## Function description

ON/OFF	<ul style="list-style-type: none"> <li>- Turn on UPS: Press and hold the ON/OFF button for more than 2 seconds to turn on the UPS</li> <li>- UPS Power Off: Press and hold the ON/OFF key for more than 2 seconds to power off the UPS. When in AC mode, the UPS will stop AC output, but the LCD will still light up.</li> </ul>
UP/DOWN	<ul style="list-style-type: none"> <li>- In the settings menu, press the "DOWN" button to select the desired item</li> </ul>
FUNCTION	<ul style="list-style-type: none"> <li>- Press and hold the "FUNCTION" button for more than 6 seconds to enter the setting menu.</li> <li>- In the setting menu, press the "FUNCTION" button to select a setting. The desired setting will start flashing. Press the "FUNCTION" button again to start the setting. Adjust with the UP/DOWN button then press the "FUNCTION" button again to confirm your setting.</li> <li>- To exit the setting menu, press and hold the "FUNCTION" button for more than 6 seconds. The UPS automatically returns to NORMAL OPERATION after 3 minutes of inactivity.</li> </ul>

# TROUBLESHOOTING

Problems	Possible Causes	Solutions
Error code FAL 16	Internal heating	Make sure the UPS is not overloaded, the ventilation opening is not blocked and the indoor temperature is not too high. Wait 10 minutes for the UPS to cool down, then restart. If this fails, please contact our support.
Error code FAL 15	Output short circuit or internal fault	Turn off the UPS, remove the load and confirm that the load is not defective and that there is no short circuit. Then restart the UPS. In case of failure, please contact our support.
Error code FAL 14	Internal error	Please contact our support.
Error code FAL 13	Excessive charging	Please contact our support.
Error code FAL 12	The UPS is overloaded or the charger is defective in battery mode	Check the load and remove non-critical devices. Repeat the load power calculation and reduce the amount of loaders connected to the UPS. Check if the loader is defective.
The audible alarm is activated every The battery voltage is too low second	The battery voltage is too low	Please contact our support.
AC is normal, UPS lacks electricity	The UPS input switch is disconnected	Manual reset of the circuit breaker.
Battery discharge time is short	Low battery	Keep the UPS connected to the AC power supply for more than 10 hours to recharge the battery.
	UPS overload	Check the loading level and remove non-critical equipment.
	After chronic use of the battery, its capacity decreases	Please contact our support.
After pressing the power button, the UPS cannot start	The time to press the power button is too short	Please contact our support.
	Internal UPS failure	Press the power button for more than three seconds and start the UPS.

# LED SCREEN



	Display of input and output voltage and frequency
<b>INPUT</b>	Display input power
<b>OUTPUT</b>	Display UPS output power
	UPS warning
	Display battery capacity
	Display load capacity
	Battery mode
	Network mode
	Silent mode

# DEVICE SETTINGS

Parameter 1      Parameter 2



There are two parameters to set.

- Parameter 1: Each number refers to a different setting (explanation for all numbers below)
- Parameter 2: This parameter is used to change the data of each setting



## 1: AC Input frequency range

Parameter 2: You can adjust the frequency range

- LO: Indicates that the range is small. The adjustment range can be 45Hz-65Hz.
- HI: Indicates that the range is large. The adjustment range can be 40Hz-70Hz.
- The default range is wide (40Hz-70Hz).



## 4: AC charging current rate

Parameter 2: Setting the percentage of AC charging current.

- 10-100: Indicates that the adjustable range of AC charging current percentage is 10%-100%
- The default percentage is 85%.



## 6: Bulk charge voltage

Parameter 2: Setting the bulk charging voltage.

- 135-150: Indicates that the adjustable bulk charging voltage range is 13.5V-15.0V
- The default voltage is 14.2V



## 7: Float charge voltage

Parameter 2: Setting the float voltage

- 125-140: Indicates that the adjustable float voltage range is 12.5V-14.0V
- The default voltage is 13.6V



## 8: Low battery lock voltage

Parameter 2: Set the battery lock voltage.

- 95-115: Indicates that the adjustable battery lock voltage range is 9.5V-11.5V
- The default voltage is 10.2V



## 11: Inverter output voltage display

Parameter 2: Setting the inverter output voltage.

- 200-240: Indicates that the adjustable output voltage range of the inverter is 200V-240V
- Default voltage is 220V



## 12: AC detection speed

Parameter 2: Setting the AC detection speed.

- HI: Indicates that the AC detection speed is set to fast speed.
- IDE: Indicates that the AC detection speed is set to medium speed.
- LO: Indicates that the AC detection speed is set to low speed.
- The default speed is medium





### 13: Inverter output frequency

Parameter 2: Setting the inverter output frequency.

- 50: Indicates that the inverter output frequency is set to 50Hz.
- 60: Indicates that the inverter output frequency is set to 60Hz The default frequency is 50Hz.



### 16: Buzzer control switch

Parameter 2: Setting for whether the buzzer is enabled.

- AON: Indicates that the buzzer is on and can sound
- AOF: Indicates that the buzzer is disabled and cannot sound
- By default, the buzzer is enabled and can sound



### 20: Baud rate

Parameter 2: Setting the data transmission rate

- 00: means set the baud rate to 2400
- 01: means set the baud rate to 4800
- 02: means set the baud rate to 9600
- Default baud rate is 2400.



### 99: Factory Data Reset

Parameter 2: Factory Data Reset

OFF: Indicates not to restore factory settings

ON: Indicates to restore factory settings

Default is OFF



# 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



**ELECSTOR**