



# Line-Interactive 600 - 800VA UPS System



## Quick Installation Guide

DN-170063-B • DN-170063-LCD-B

DN-170064-B • DN-170064-LCD-B

## Safety Warning

1. The UPS utilizes voltages that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user serviceable parts. Only factory service personnel may perform repairs.
2. Internal battery voltage is 12Vdc. sealed, lead-acid, 6 cells battery.
3. Connection to any other type of receptacle other than a two-pole, three-wire grounded receptacle may result in shock hazard as well as violating to local electrical codes.
4. 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.
5. Do not allow liquids or any external objects to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
6. This unit is designed for installation in a controlled environment (temperature controlled, indoor are free of conductive contaminants). Avoid installing the UPS in locations where there is static or flowing water, or excessive humidity.
7. Do not plug the UPS input into its own output.
8. Do not attach a power strip or surge suppressor to the UPS.
9. Do not connect non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
10. To reduce the risk of overheating the UPS, do not cover the UPS cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliance such as air heaters or furnaces.
11. Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
12. Do not dispose the batteries into fire as they may explode.
13. Do not open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.
14. A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:
  - Remove watches, rings, or other metal objects from the hands.
  - Use tools with insulated handles.
  - Wear rubber gloves and boots.
  - Do not lay tools or metal parts on the top of batteries.
  - Disconnect charging source prior to connecting or disconnecting batteries terminals.

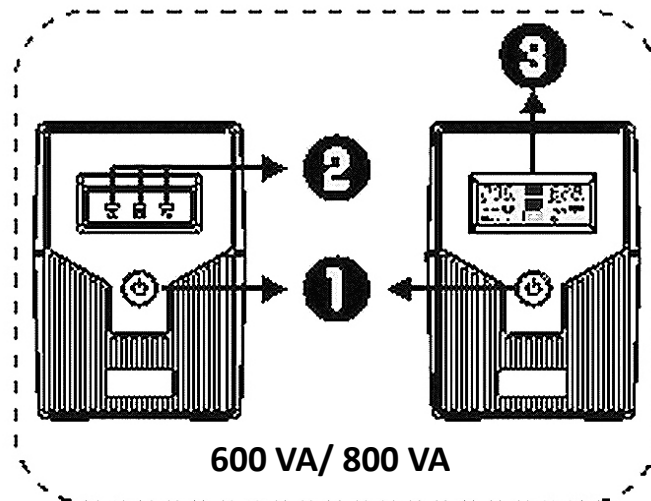
15. Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.
16. When replacing batteries, replace with the same number and type of sealed lead-acid battery. The maximum ambient temperature rating is 40°C.
17. During the installation of this equipment, it should be assured that the sum of the leakage currents of the UPS and the connected loads does not exceed 3.5mA.
18. Beware of possibility of electric shock when disconnecting of this unit from the mains, hazardous voltage still may be accessible through supply from battery. The battery supply should be therefore disconnected from the plus and minus pole of the battery when maintenance or service work inside the UPS is necessary.

## 1. Package Content

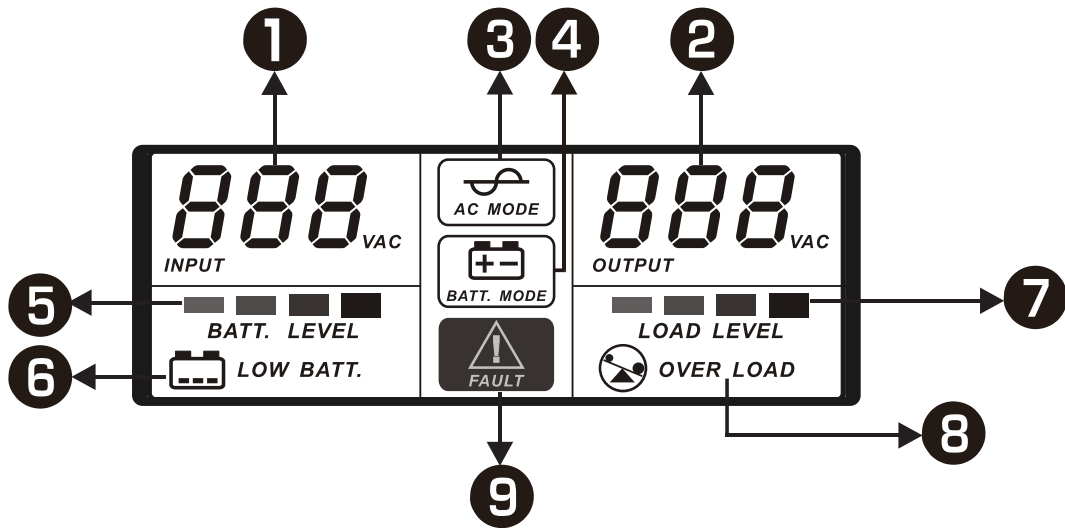
- Main unit: UPS
- UPS Quick Installation Guide

## 2. System Description

Front panel:

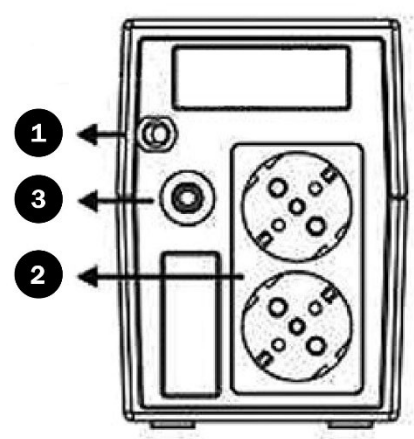


1. Power Switch
2. LED indicator
  - **AC Mode:** Green LED lighting
  - **Battery Mode:** Yellow LED flashing
  - **Fault Mode:** Red LED lighting.
3. LCD



1. Input voltage
2. Output voltage
3. AC mode (UPS in AVR mode, this LCD symbol flashes)
4. Battery mode (when AC input voltage is abnormal, this LCD symbol lights)
5. Battery level (battery capability)
6. Low battery (when battery voltage is low, this LCD symbol flashes)
7. Load level (Load percent)
8. Over load (when there is output over loading, this LCD symbol flashes)
9. Fault mode (this LCD symbol lights when UPS in fault mode, such as output shorted, over charge, over load)

**Back Panel:**



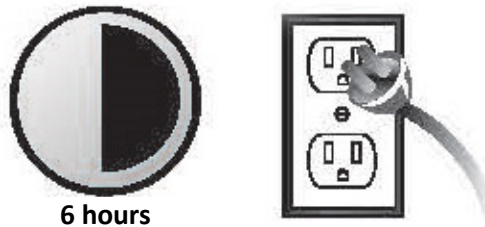
1. AC input
2. Output receptacles
3. Circuit breaker

### 1. Inspection

Remove the UPS from its packaging and inspect it for damage that may have occurred during shipping. If any damage is discovered, repack the unit and return it to the place of purchase.

### 2. Charging

This unit is shipped from the factory with its internal battery fully charged. However, some charge may be lost during shipping and the battery should be recharged prior use. Turn on the UPS, plug the unit into an appropriate power supply and allow the UPS to charge fully by leaving it plugged in for at least 6 hours with no load (no electrical devices such as computers, monitors, etc.) connected.

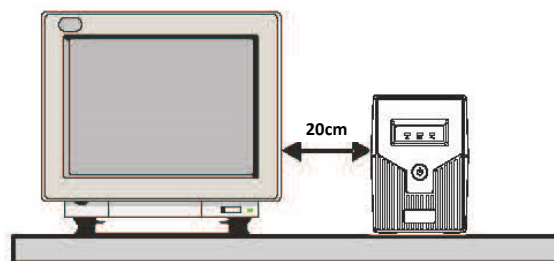


### 3. Placement

Install the UPS unit in any protected environment that provides adequate airflow around the unit, and is free from excessive dust, corrosive fumes and conductive contaminants. Do not operate your UPS in an environment where the ambient temperature or humidity is high.

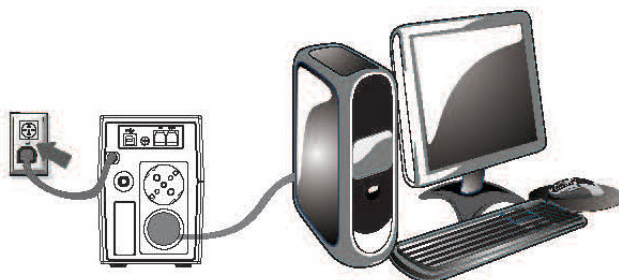


On the other hand, place the UPS away from the monitor at least 20cm to avoid interference.



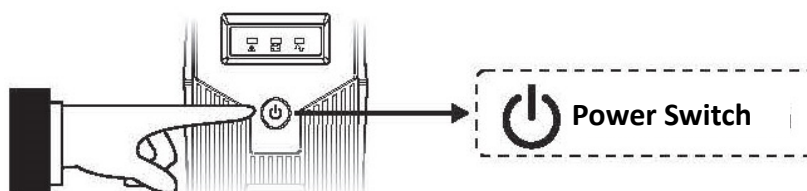
#### 4. Connection

Plug the UPS into a grounded receptacle. Then connect one device into each of the power receptacles supplied on the back of the UPS.



#### 5. Turn On/Off

In order to turn on the UPS unit, press the power switch lightly. To turn off the UPS unit, press the power switch again



#### 6. DC start

This UPS is equipped with DC Start. To start UPS when AC utility power is not available, simply press the power switch.

### 3. Trouble Shooting

Symptom	Possible Cause	Proposed Action
No LCD lighting (for LCD model), or no LED display (for LED model) on the front panel	1. Battery weak	1. Charge battery up to 8 hours
	2. Battery defect	2. Replace with the same type of battery
	3. Power switch is not pressed	3. Press the power switch again
Alarm buzzer beeps continuously when AC supply is normal	Overload of the UPS	Verify that the load matches the UPS capability specified in the specs
When power failure, back-up time is shorten	1. Overload of the UPS	1. Remove some non-critical load
	2. Battery voltage is too low	2. Charge battery 6-8 hours

	3. Battery defect due to high temperature operation environment, or improper operation to battery	3. Replace with the same type of battery
Mains normal but battery mode indicator lights (for LCD model), or yellow LED is flashing (for LED model)	Power cord is loose	Reconnect the power cord properly

## Disclaimer

This is a Category C2 product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

Hereby Assmann Electronic GmbH, declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

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