

RIGHT POWER

PowerStar NEO 800VA

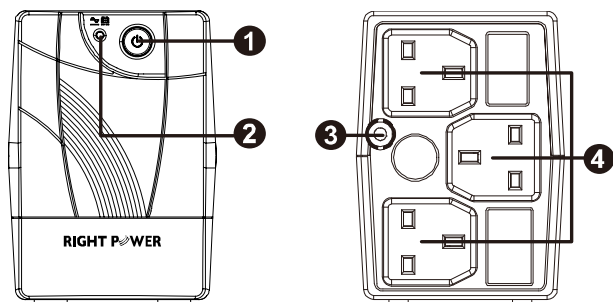
User Manual

INTRODUCTION

This UPS is specially designed for personal computer with multi-functions. It is light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with AVR to stabilize input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supplied. The main features of this UPS are listed below:

- Constant-FLO® Intelligent Charger
- User-friendly LED indicator
- Excellent CPU Control guarantee high reliability
- Built-in AVR for voltage stabilization
- Off Mode Charging
- DC Start Function
- Lightning, Spike, and Surge Protection
- Compact size, light weight

SYSTEM DESCRIPTION



1. Power On/Off Switch

turns UPS on and off.

2. UPS Status indicator:

AC mode: green lighting

Battery mode: green flashing

3. AC Input

4. Output receptacles provide uninterruptible power to keep connected equipments on in the event of power failure.

INSTALLATION & OPERATION

1. Inspection

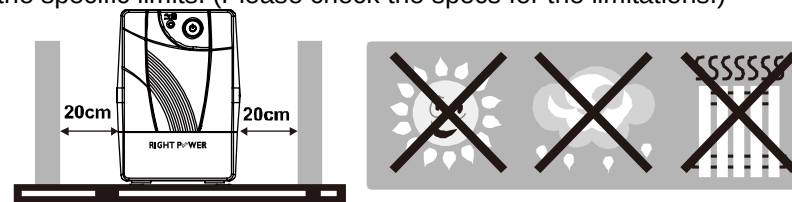
You should receive the following items inside of package:

- Right Power PowerStar NEO 800VA
- User Manual

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. Placement

Install the UPS in a protected area that is free of excessive dust and has adequate air flow. Please place the UPS away from other units at least 20 cm to avoid interference. DO NOT operate the UPS where the temperature and humidity is outside the specific limits. (Please check the specs for the limitations.)



3. Charging

Plug in the AC input cord to the wall outlet. For the best results, suggest to charge the battery at least 4 hours before initial use. The unit charges its battery while connecting to the utility.



4 hours

4. Computer Connection

Plug in the loads to output receptacles on the rear panel of the UPS. Simply turn on the power switch of UPS unit, then 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.

5. Turn



On/Off

To turn on the UPS, press power switch lightly. To turn off the UPS, please press power switch again.

6. DC Start Function

DC Start Function enables UPS to be started up when AC utility power is not available and battery is fully charged. Just simply press the power switch to turn on the UPS.

IMPORTANT SAFETY INSTRUCTION

To safely operate this uninterruptible power supply system, please read and follow all instructions carefully. Please read this manual thoroughly before attempting to unpack, install, or operate UPS, and keep this manual for further reference.

- This UPS utilizes voltages that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user replaceable parts. Only authorized service personnel may perform repairs.
- Internal battery voltage is 12V DC. Sealed, lead-acid, 6 cells battery.
- Connection to any other type of receptacle other than a two-pole, three-wire grounded receptacle may result in shock hazard as well as violate local electrical codes.
- 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 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.
- This unit intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants). Avoid installing the UPS in location where there is standing or running water, or excessive humidity.
- DO NOT plug the UPS input into its own output.
- DO NOT attach a power strip or surge suppressor to the UPS.
- DO NOT attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS
- 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 appliances such as space heaters or furnaces.
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent.
- DO NOT dispose of batteries in a fire as they may explode.
- DO NOT open or mutilate the battery or batteries. Released electrolyte is harmful to the skin and eyes. It may be toxic.
- A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries :
 - 1) Remove watches, rings, or other metal objects from the hands.
 - 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 battery terminal.
- Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions should be taken. Keep unauthorized personnel away from batteries.
- When replacing batteries, replace with the same number of the sealed lead-acid batteries.
- The socket-outlet shall be installed near the equipment and easily accessible.
- With the installation of the UPS, it should be prevented that the sum of (UPS and) the connected (load) leakage current exceeds 3.5mA.
- This pluggable type A equipment with battery installed by the supplier is operator installable and may be operated by laymen.
- 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 connectors of the battery when maintenance or service work inside of the UPS is necessary.

TROUBLE SHOOTING

If any abnormal situations occur that are not listed above, please call service people immediately.

Problem	Possible Cause	Solutions
No LED display on the front panel.	Low battery.	Charge the UPS at least 6 hours.
	Battery fault.	Replace the battery with the same type of battery.
	The UPS is not turned on.	Press the power switch again to turn on the UPS.
Alarm continuously sounds when the mains is normal.	The UPS is overload.	Remove some loads first. Before reconnecting equipment, please verify that the load matches the UPS capability specified in the specs.
When power fails, back-up time is shorten.	The UPS is overload.	Remove some critical load.
	Battery voltage is too low.	Charge the UPS at least 6 hours.
	Battery defect. It might be due to high temperature operation environment, or improper operation to battery.	Replace the battery with the same type of battery.
The mains is normal But the unit is on battery mode.	Power cord is loose.	Reconnect the power cord properly.

SPECIFICATIONS

MODEL	PowerStar NEO 800
CAPACITY (VA)	800VA
INPUT	
INPUT VOLTAGE	220V / 230V / 240V
VOLTAGE RANGE	160 - 280Vac
FREQUENCY RANGE	50 or 60Hz (Auto-sensing)
OUTPUT	
OUTPUT VOLTAGE	220V / 230V / 240V
OUTPUT FREQUENCY	50 Hz or 60 Hz +/-1Hz
WAVEFORM	Simulated Sinewave
TRANSFER TIME (Typical)	2ms - 6ms
OUTPUT SOCKET	3 x British Socket
BATTERY	
SEALED LEAD ACID MAINTENANCE FREE BATTERY	12V 7Ah x 1pc
BACK UP TIME (Depending on Load)	20 minutes
RECHARGE TIME	4 Hours to 90% After Complete Discharge
STATUS INDICATOR	
L.E.D INDICATOR	AC Mode, Battery Mode
AUDIBLE ALARM	Battery Mode, Low Battery, Overload, Fault
SURGE PROTECTION & FILTERING	
SPIKE, SURGE & LIGHTNING PROTECTION	Yes
OVERLOAD, SHORT CIRCUIT PROTECTION	Yes
PHYSICAL	
OPERATING ENVIRONMENT	0-40°C, 0-90% Relative Humidity (Non-Condensing)
NOISE LEVEL	Less Than 40dB
DIMENSION (D x W x H) mm	279 x 101 x 142
WEIGHT (KG)	4.2

* Product specifications are subject to change without further notice.