

User Manual

Line Interactive Sinewave UPS 800/1.1K/1.5K/2K/2.5K/3K VA

Uninterruptible Power Supply System

Table of Contents

1. Important Safety Warning.....	2
1-1. Transportation	2
1-2. Preparation	2
1-3. Installation	2
1-4. Operation	2
1-5. Maintenance, Service And Faults	3
2. Installation And Setup.....	4
2-1. Rear Panel View	4
2-2. Install The UPS	5
2-3. Setup The UPS	5
2-4. Battery Replacement	7
2-5. Battery Kit Assembly (Option)	8
3. Operations.....	10
3-1. Button Operation	10
3-2. LCD Panel	10
3-3. Audible Alarm	11
3-4. LCD Display Wordings Index	12
3-5. UPS Setting	12
3-6. Operating Mode Description	14
3-7. Faults Reference Code	15
3-8. Warning Indicator	15
4. Troubleshooting.....	16
5. Storage And Maintenance.....	18
6. Specifications.....	19

1. Important Safety Warning

Please comply with all warnings and operating instructions in this manual strictly. Save this manual properly and read carefully the following instructions before installing the unit. Do not operate this unit before reading through all safety information and operating instructions carefully

1-1. Transportation

- Please transport the UPS system only in the original package to protect against shock and impact.

1-2. Preparation

- Condensation may occur if the UPS system is moved directly from cold to warm environment. The UPS system must be absolutely dry before being installed. Please allow at least two hours for the UPS system to acclimate the environment.
- Do not install the UPS system near water or in moist environments.
- Do not install the UPS system where it would be exposed to direct sunlight or near heater.
- Do not block ventilation holes in the UPS housing.

1-3. Installation

- Do not connect appliances or devices which would overload the UPS system (e.g. laser printers) to the UPS output sockets.
- Place cables in such a way that no one can step on or trip over them.
- Do not connect domestic appliances such as hair dryers to UPS output sockets.
- The UPS can be operated by any individuals with no previous experience.
- Connect the UPS system only to an earthed shockproof outlet which must be easily accessible and close to the UPS system.
- Please use only VDE-tested, CE-marked mains cable (e.g. the mains cable of your computer) to connect the UPS system to the building wiring outlet (shockproof outlet).
- Please use only VDE-tested, CE-marked power cables to connect the loads to the UPS system.
- When installing the equipment, it should ensure that the sum of the leakage current of the UPS and the connected devices does not exceed 3.5mA.

1-4. Operation

- Do not disconnect the mains cable on the UPS system or the building wiring outlet (shockproof socket outlet) during operations since this would cancel the protective earthing of the UPS system and of all connected loads.
- The UPS system features its own, internal current source (batteries). The UPS output sockets or output terminals block may be electrically live even if the UPS system is not connected to the building wiring outlet.
- In order to fully disconnect the UPS system, first press the OFF/Enter button to disconnect the mains.
- Prevent no fluids or other foreign objects from inside of the UPS system.

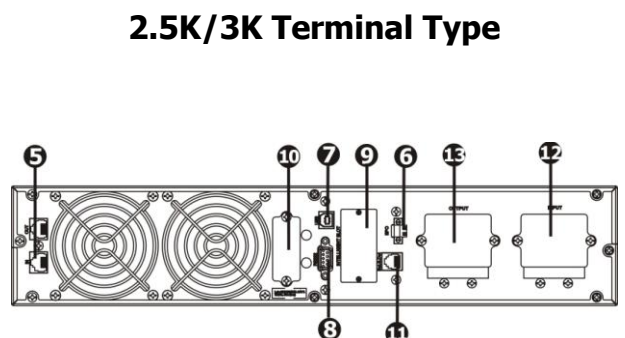
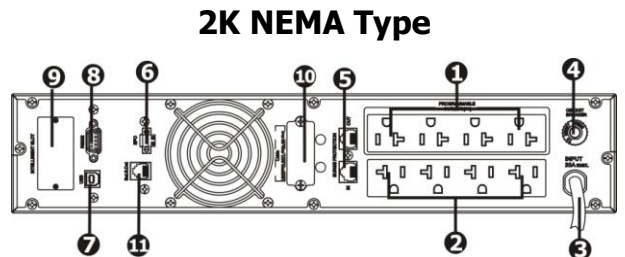
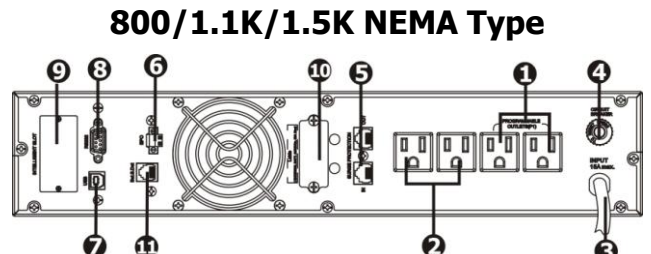
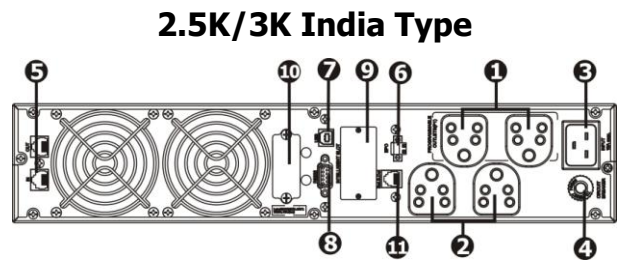
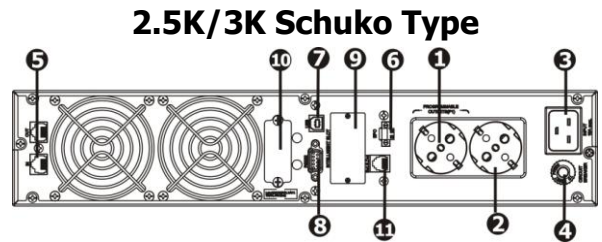
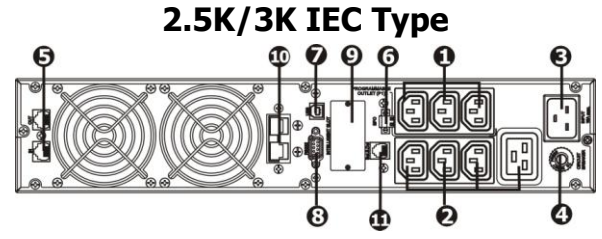
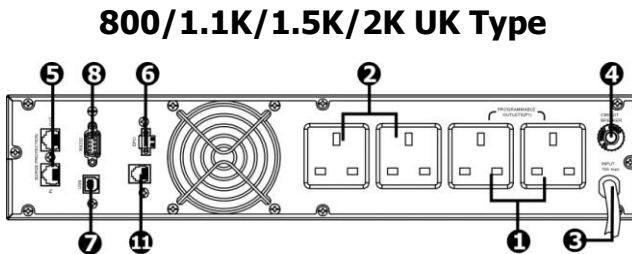
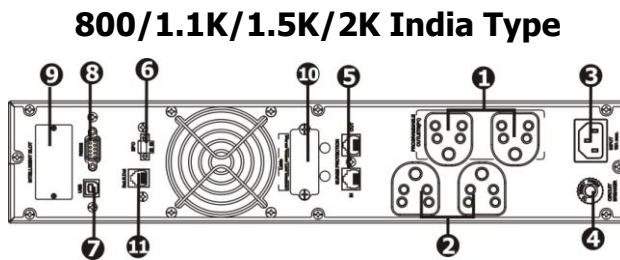
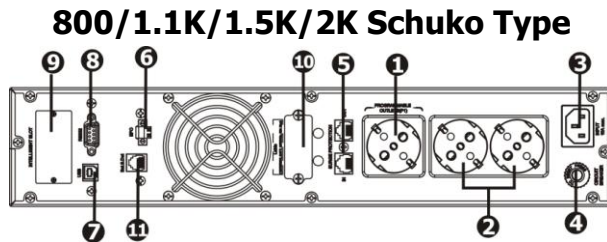
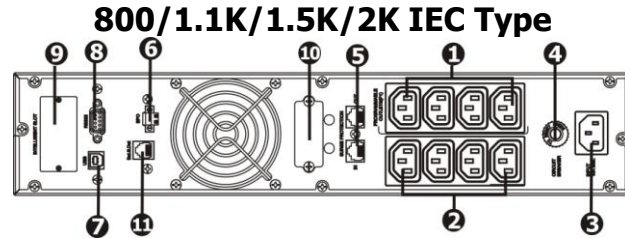
1-5. Maintenance, Service And Faults

- The UPS system operates with hazardous voltages. Repairs may be carried out only by qualified maintenance personnel.
- **Caution** - risk of electric shock. Even after the unit is disconnected from the mains (building wiring outlet), components inside the UPS system are still connected to the battery and electrically live and dangerous.
- Before carrying out any kind of service and/or maintenance, disconnect the batteries and verify that no current is present and no hazardous voltage exists in the terminals of high capability capacitor such as BUS-capacitors.
- Only persons are adequately familiar with batteries and with the required precautionary measures may replace batteries and supervise operations. Unauthorized persons must be kept well away from the batteries.
- **Caution** - risk of electric shock. The battery circuit is not isolated from the input voltage. Hazardous voltages may occur between the battery terminals and the ground. Before touching, please verify that no voltage is present!
- Batteries may cause electric shock and have a high short-circuit current. Please take the precautionary measures specified below and any other measures necessary when working with batteries:
 - remove wristwatches, rings and other metal objects
 - use only tools with insulated grips and handles.
- When changing batteries, install the same number and same type of batteries.
- Do not attempt to dispose of batteries by burning them. This could cause battery explosion.
- Do not open or destroy batteries. Escaping electrolyte can cause injury to the skin and eyes. It may be toxic.
- Please replace the fuse only with the same type and amperage in order to avoid fire hazards.
- Do not dismantle the UPS system.

2. Installation And Setup

NOTE: Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. Please keep the original package in a safe place for future use.

2-1. Rear Panel View

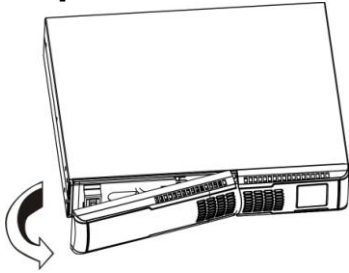


1. Programmable outlets: connect to non-critical loads.
2. Output receptacles: connect to mission-critical loads.
3. AC input
4. Input circuit breaker
5. Network/Fax/Modem surge protection
6. Emergency power off function connector (EPO)
7. USB communication port
8. RS-232 communication port
9. SNMP intelligent slot
10. External battery connector (only available for L model)
11. External battery pack numbers detection port
12. Input terminal
13. Output terminal

2-2. Install The UPS

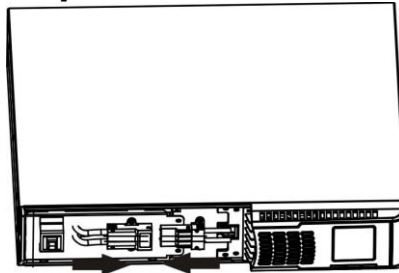
For safety consideration, the UPS is shipped out from factory without connecting battery wires. Before install the UPS, please follow below steps to re-connect battery wires first.

Step 1



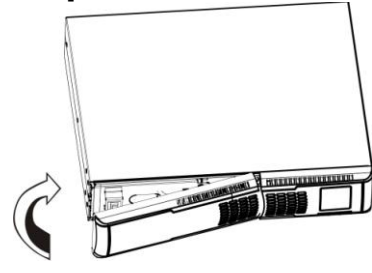
Remove front panel.

Step 2



Connect the AC input and re-connect battery wires.

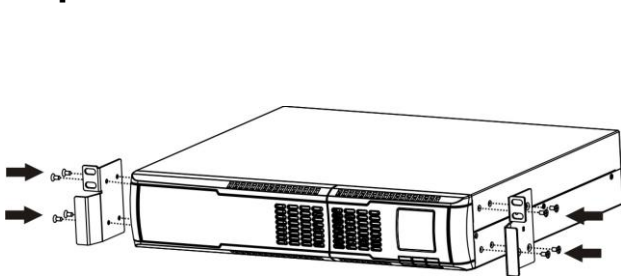
Step 3



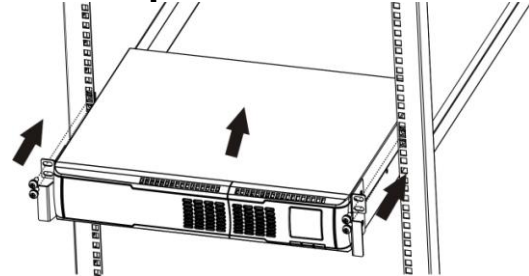
Put the front panel back to the unit.

Rack-mount Installation

Step 1

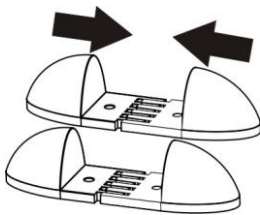


Step 2

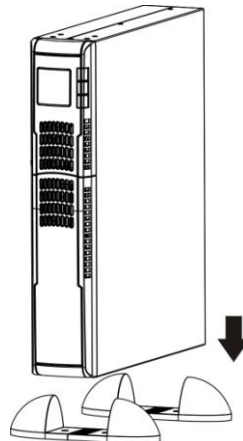


Tower Installation

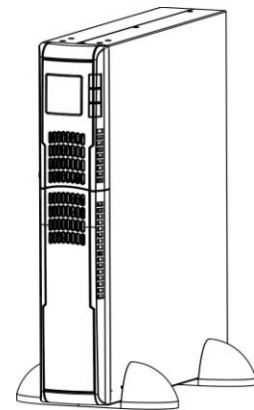
Step 1



Step 2



Step 3



2-3. Setup The UPS

Step 1: UPS input connection

Plug the UPS into a two-pole, three-wire, grounded receptacle only. Avoid using extension cords.

Step 2: UPS output connection

There two kinds of outputs: programmable outlets and general outlets. Please connect non-critical devices to the programmable outlets and critical devices to the general outlets. During power failure, you may extend the backup time to critical devices by setting shorter backup time for non-critical devices.

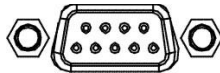
Step 3: Communication connection

Communication ports:

USB port



RS-232 port



Intelligent slot



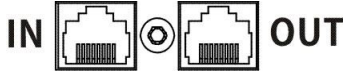
To allow for unattended UPS shutdown/start-up and status monitoring, connect the communication cable one end to the USB/RS-232 port and the other to the communication port of your PC. With the monitoring software installed, you can schedule UPS shutdown/start-up and monitor UPS status through PC.

The UPS is equipped with intelligent slot perfect for either SNMP or AS400 card. When installing either SNMP or AS400 card in the UPS, it will provide advanced communication and monitoring options.

PS. USB port and RS-232 port can't work at the same time.

Step 4: Network connection

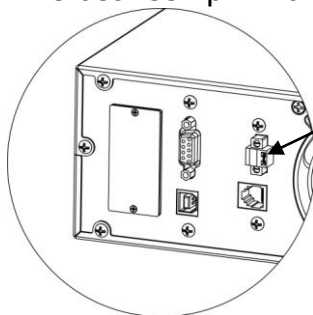
Network/Fax/Phone surge port



Connect a single modem/phone/fax line into surge-protected "IN" outlet on the back panel of the UPS unit. Connect from "OUT" outlet to the equipment with another modem/fax/phone line cable.

Step 5: Disable and enable EPO function

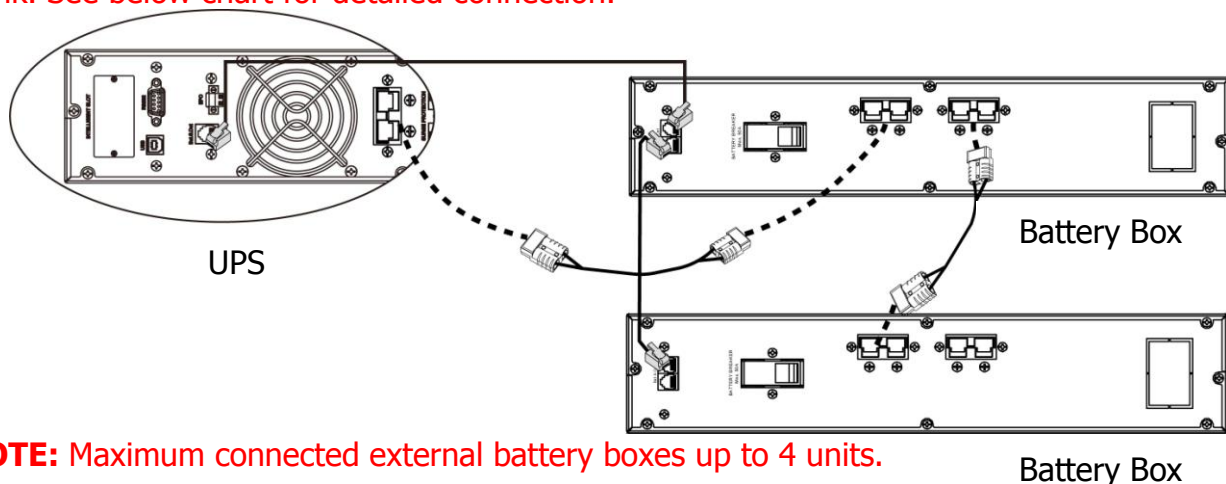
Keep the pin 1 and pin 2 closed for UPS normal operation. To activate EPO function, cut the wire between pin 1 and pin 2.



It's in closed status for UPS normal operation.

Step 6: External battery connection (for long-run models only)

Connect one end of external battery cable to UPS unit and the other end to battery box. Use supplied battery detection wire in detection port of UPS unit and plug the other end to battery bank. See below chart for detailed connection.



NOTE: Maximum connected external battery boxes up to 4 units.

Step 7: Turn on the UPS

Press the ON/Mute button on the front panel for two seconds to power on the UPS.

Note: The battery charges fully during the first five hours of normal operation. Do not expect full battery run capability during this initial charge period.

Step 8: Install software

For optimal computer system protection, install UPS monitoring software to fully configure UPS shutdown. Please follow steps below to download and install monitoring software:

1. Go to the website <http://www.power-software-download.com>
2. Click ViewPower software icon and then choose your required OS to download the software.
3. Follow the on-screen instructions to install the software.
4. When your computer restarts, the monitoring software will appear as an orange plug icon located in the system tray, near the clock.

2-4 Battery Replacement

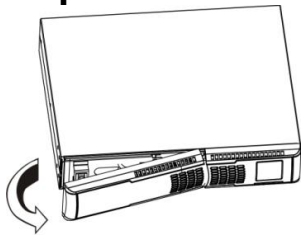
NOTICE: This UPS is equipped with internal batteries and user can replace the batteries without shutting down the UPS or connected loads.(hot-swappable battery design)

Replacement is a safe procedure, isolated from electrical hazards.

CAUTION!! Consider all warnings, cautions, and notes before replacing batteries.

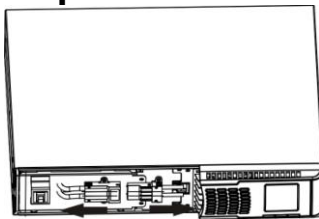
Note: Upon battery disconnection, equipment is not protected from power outages.

Step 1



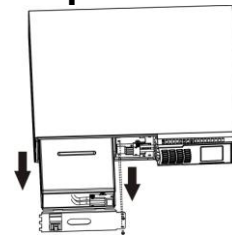
Remove front panel.

Step 2



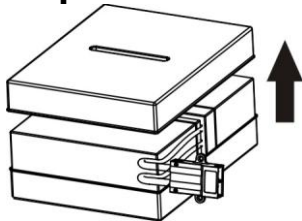
Disconnect battery wires.

Step 3



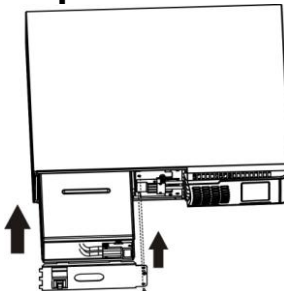
Pull out the battery box by removing two screws on the front panel.

Step 4



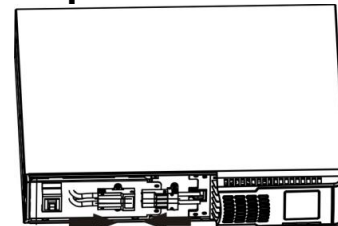
Remove the top cover of battery box and replace the inside batteries.

Step 5



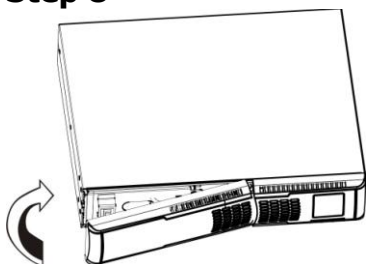
After replacing the batteries, put the battery box back to original location and screw it tightly.

Step 7



Re-connect the battery wires.

Step 8



Put the front panel back to the unit.

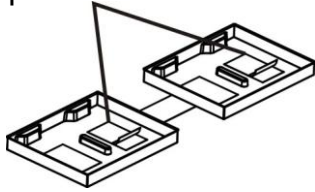
2-5 Battery Kit Assembly (option)

NOTICE: Please assemble battery kit first before installing it inside of UPS. Please select correct battery kit procedure below to assemble it.

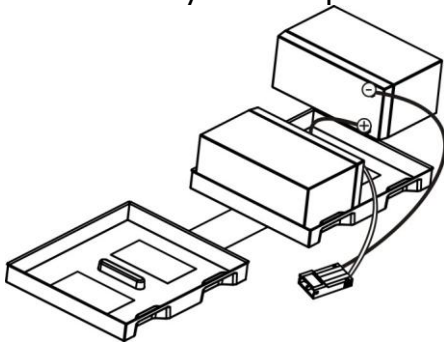
2-battery kit

Step 1: Remove adhesive tapes.

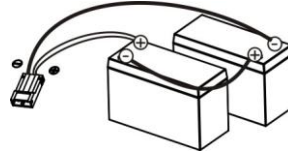
Tapes



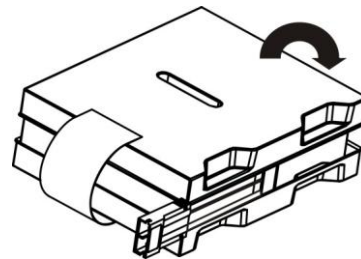
Step 3: Put assembled battery packs on one side of plastic shells and insert one more defect battery on the space.



Step 2: Connect all battery terminals by following below chart.



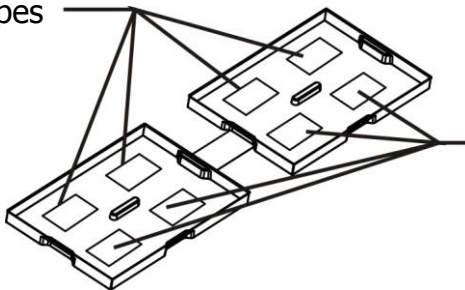
Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.



4-battery kit

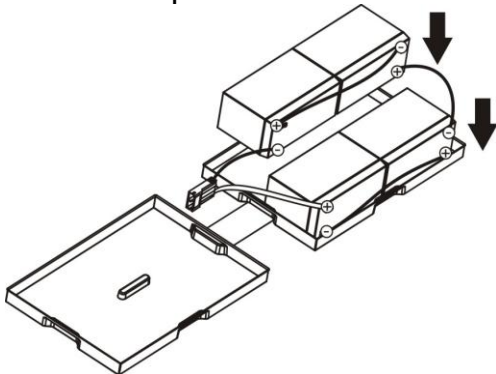
Step 1: Remove adhesive tapes.

Tapes

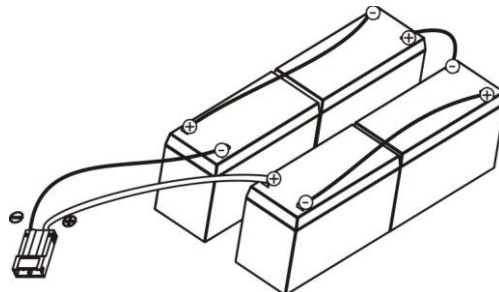


Tapes

Step 3: Put assembled battery packs on one side of plastic shells.



Step 2: Connect all battery terminals by following below chart.

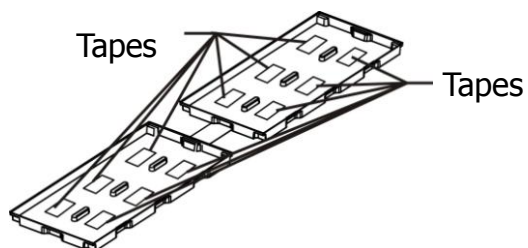


Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.

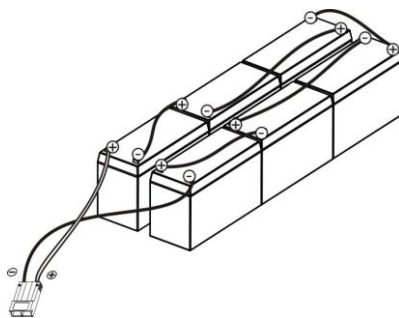


6-battery kit

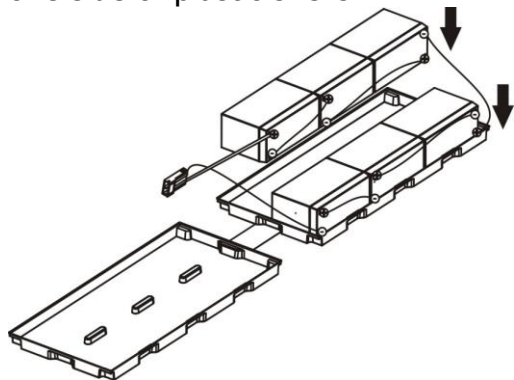
Step 1: Remove adhesive tapes.



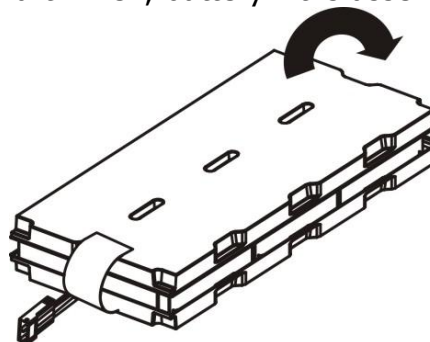
Step 2: Connect all battery terminals by following below chart.



Step 3: Put assembled battery packs on one side of plastic shells.

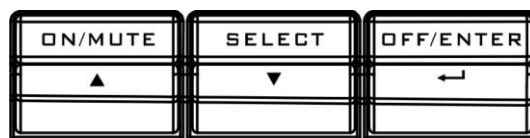


Step 4: Cover the other side of plastic shell as below chart. Then, battery kit is assembly well.



3. Operations

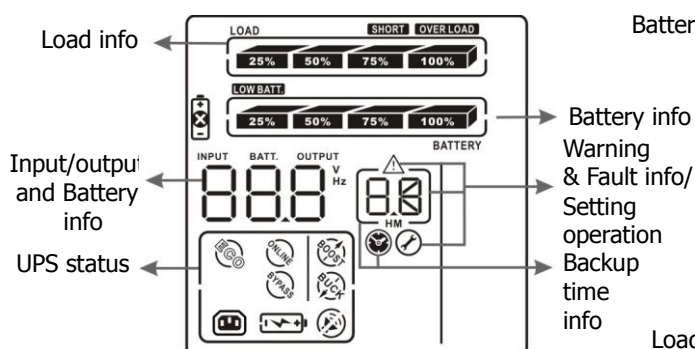
3-1. Button Operation



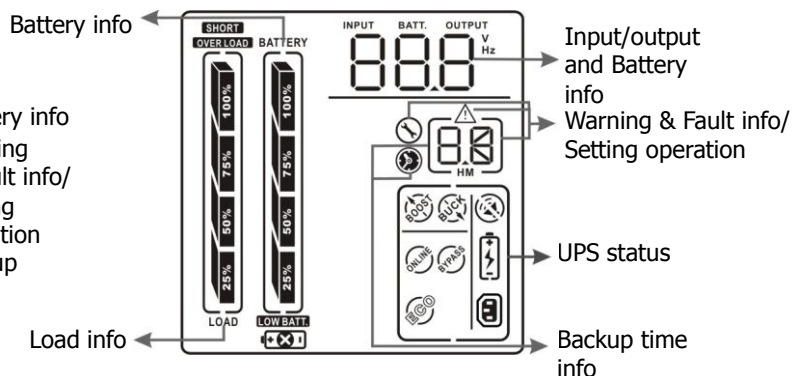
Button	Function
ON/MUTE Button	<ul style="list-style-type: none"> ➤ Turn on the UPS: Press and hold ON/Mute button for at least 2 seconds to turn on the UPS. ➤ Mute the alarm: After the UPS is turned on in battery mode, press and hold this button for at least 5 seconds to disable or enable the alarm system. But it's not applied to the situations when warnings or errors occur. ➤ Up key: Press this button to display previous selection in UPS setting mode. ➤ Switch to UPS self-test mode: Press and hold ON/Mute button for 5 seconds to enter UPS self-testing while in AC mode
OFF/ENTER Button	<ul style="list-style-type: none"> ➤ Turn off the UPS: Press and hold this button at least 2 seconds to turn off the UPS ➤ Confirm selection key: Press this button to confirm selection in UPS setting mode.
SELECT Button	<ul style="list-style-type: none"> ➤ Switch LCD message: Press this button to change the LCD message for input voltage, input frequency, battery voltage, output voltage and output frequency. ➤ Setting mode: Press and hold this button for 5 seconds to enter UPS setting mode when UPS is off. ➤ Down key: Press this button to display next selection in UPS setting mode.






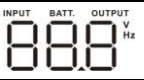










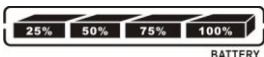


3-2. LCD Panel

Rack Display



Tower Display



Display	Function
Backup time information	
	Indicates the backup time in pie chart.
	Indicates the backup time in numbers. H: hours, M: minute
Warning & Fault information	
	Indicates that the warning and fault occurs.
	Indicates the warning and fault codes, and the codes are listed in details in 3-5 section.
Setting Operation	
	Indicates the setting operation.
Input/Output & Battery information	
	Indicates the output/input voltage, output/input frequency or battery voltage. V: voltage, Hz: frequency
	Indicates the external battery pack numbers.
Load information	
	Indicates the load level by 0-25%, 26-50%, 51-75%, and 76-100%.
	Indicates overload.
	Indicates the load or the UPS output is short circuited.
UPS status	
	Indicates that programmable management outlets are working.
	Indicates that the UPS alarm is disabled.
	Indicates the UPS powers the output directly from the mains
	Indicates the battery charger is working.
	Indicates the UPS is working in boost mode
	Indicates the UPS is working in buck mode
Battery information	
	Indicates the Battery level by 0-25%, 26-50%, 51-75%, and 76-100%.
	Indicates low battery.
	Indicates there is something wrong with battery.

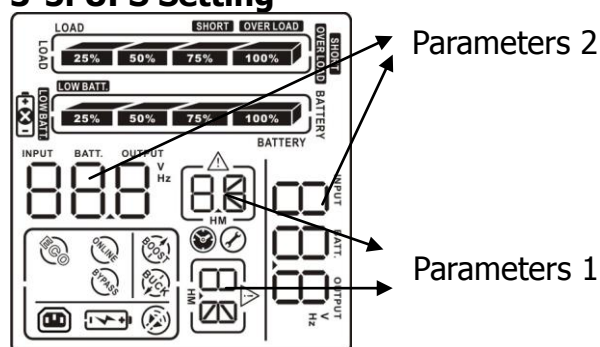
3-3. Audible Alarm

Battery Mode	Sounding every 4 seconds
Low Battery	Sounding every second
Overload	Sounding twice every second
Fault	Continuously sounding

3-4. LCD Display Wordings Index

Abbreviation	Display content	Meaning
ENA	ENR	Enable
DIS	di S	Disable
ESC	ESC	Escape
EP	EP	EPO
FA	FR	Fan
TP	TP	Temperature
CH	CH	Charger
RAC	RAC	Rack display
TOE	TOE	Tower display
SF	SF	Site Fault

3-5. UPS Setting



There are two parameters to set up the UPS.

Parameter 1: It's for program alternatives. There are 4 programs to set up: output voltage setting, , programmable outlets enable/disable, programmable outlets setting , LCD display direction and exit.

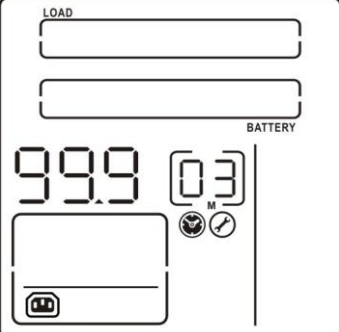
● 01: Output voltage setting

Interface	Setting
	<p>For 208/220/230/240 VAC models, you may choose the following output voltage:</p> <p>208: presents output voltage is 208Vac</p> <p>220: presents output voltage is 220Vac</p> <p>230: presents output voltage is 230Vac</p> <p>240: presents output voltage is 240Vac</p> <p>For 110/120 VAC models, you may choose the following output voltage:</p> <p>110: presents output voltage is 110Vac</p> <p>120: presents output voltage is 120Vac</p>

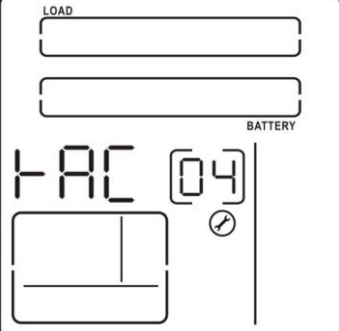
● 02: Programmable outlets enable/disable

Interface	Setting
	<p>ENA: Programmable outlets enable</p> <p>DIS: Programmable outlets disable</p>

- 03: Programmable outlets setting

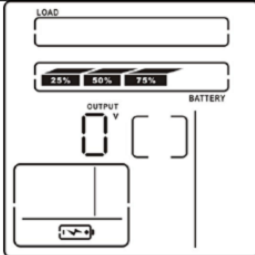
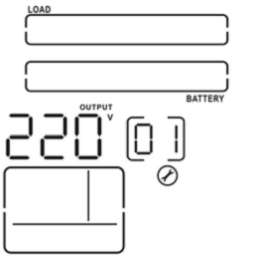
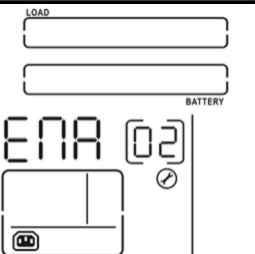
Interface	Setting
 <p>The LCD display shows '999' in the main area and '03' in the bottom right corner. Above '999' is a 'LOAD' label and a bar graph. Above '03' is a 'BATTERY' label and a battery icon. There are also two small circular icons below the '03'.</p>	Setting the backup time limits in minutes from 0-999 for programmable outlets which connect to non-critical devices on battery mode.

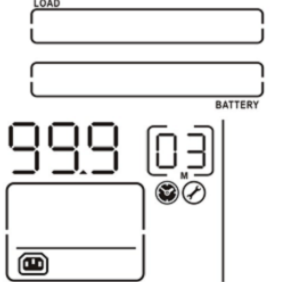
- 04: LCD display direction setting

Interface	Setting
 <p>The LCD display shows 'RAC' in the main area and '04' in the bottom right corner. Above 'RAC' is a 'LOAD' label and a bar graph. Above '04' is a 'BATTERY' label and a battery icon. There is also a small circular icon below the '04'.</p>	RAC: the LCD display is horizontal. TOE: the LCD display is vertical.

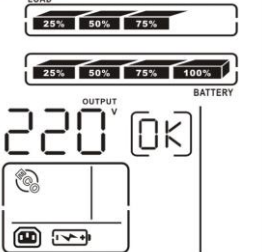
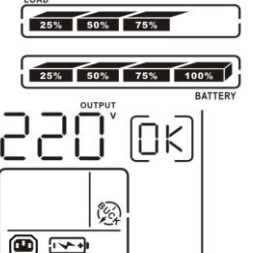
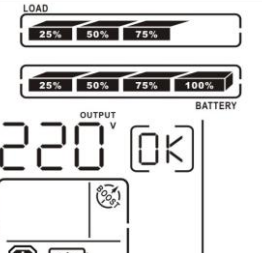
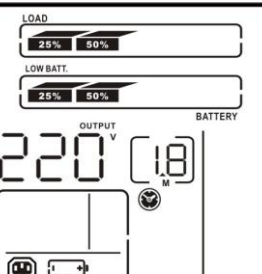
- 00: Exit setting

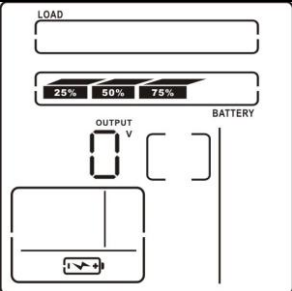
Steps for setting programmable outlet

Step 1: Before entering setting mode, the UPS should be in Stand-by mode (off-charging) and make sure the battery is connected . The LCD display is shown as right.	 <p>The LCD display shows '0' in the main area and '0' in the bottom right corner. Above '0' is a 'LOAD' label and a bar graph. Above the second '0' is a 'BATTERY' label and a battery icon. There is also a small circular icon below the second '0'.</p>
Step 2: Press and hold the "Selection" button for 5 seconds to enter Setting mode.	 <p>The LCD display shows '220' in the main area and '01' in the bottom right corner. Above '220' is a 'LOAD' label and a bar graph. Above '01' is a 'BATTERY' label and a battery icon. There is also a small circular icon below the '01'.</p>
Step 3: Press the "Up" button (ON/MUTE) to switch to "02" of program list. Then press "Enter" button to enter value setting of parameter 2. Press the "Up" button to change the value to "ENA" to enable the programmable outlet function. Then press "Enter" button again to confirm the setting.	 <p>The LCD display shows 'ENA' in the main area and '02' in the bottom right corner. Above 'ENA' is a 'LOAD' label and a bar graph. Above '02' is a 'BATTERY' label and a battery icon. There is also a small circular icon below the '02'.</p>


<p>Step 4: Press the "Up" button (ON/MUTE) again to switch to "03" of program list. Then press "Enter" button for setting programmable outlet time. Push "Up" button to change the value of backup time according your demand. Then press "Enter" to confirm the setting.</p>	
<p>Step 5: Press "Up" button (ON/MUTE) to switch to "00" of program list. Then press "Enter" button to exit setting menu.</p>	
<p>Step 6: Disconnect AC input and wait until the LCD display is off. The new setting will be activated when turning on the UPS again.</p>	

3-6. Operating Mode Description




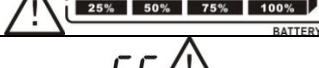
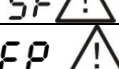
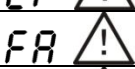
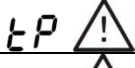
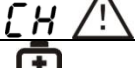


Operating mode	Description	LCD display
ECO mode	When the input voltage is within voltage regulated range, UPS will power the output directly from the mains. ECO is an abbreviation of Efficiency Corrective Optimizer. In this mode, when battery is fully charged, the fan will stop working for energy saving.	
Buck mode when AC is normal.	When the input voltage is higher than the voltage regulation range but lower than high loss point, the buck AVR will be activated.	
Boost mode when AC is normal.	When the input voltage is lower than the voltage regulation range but higher than low loss point, the boost AVR will be activated.	
Battery mode	When the input voltage is beyond the acceptable range or power failure and alarm is sounding every 4 seconds, UPS will backup power from battery.	

Operating mode	Description	LCD display
Standby mode	UPS is powered off and no output supply power, but still can charge batteries.	

3-7. Faults Reference Code








Fault event	Fault code	Icon	Fault event	Fault code	Icon
Bus start fail	01	x	Inverter output short	14	SHORT
Bus over	02	x	Battery voltage too high	27	x
Bus under	03	x	Battery voltage too low	28	
Inverter soft start fail	11	x	Over temperature	41	x
Inverter voltage high	12	x	Over load	43	OVER LOAD
Inverter voltage Low	13	x			


3-8. Warning Indicator

Warning	Icon (flashing)	Alarm
Low Battery		Sounding every second
Overload		Sounding twice every second
Battery is not connected		Sounding every second
Overcharge		Sounding every second
Site wiring fault		Sounding every second
EPO enable		Sounding every second
Fan Failure		Sounding every second
Over temperature		Sounding every second
Charger failure		Sounding every second
Battery Fault		Sounding every second

4. Troubleshooting

If the UPS system does not operate correctly, please solve the problem by using the table below.

Symptom	Possible cause	Remedy
No indication and alarm even though the mains is normal.	The AC input power is not connected well.	Check if input power cord firmly connected to the mains.
	The AC input is connected to the UPS output.	Plug AC input power cord to AC input correctly.
The icon  and the warning code EP flashing on LCD display and alarm is sounding every second.	EPO function is activated.	Set the circuit in close position to disable EPO function.
The icon  and SF flashing on LCD display and alarm is sounding every second.	Line and neutral conductors of UPS input are reversed.	Rotate mains power socket by 180° and then connect to UPS system.
The icon  and  flashing on LCD display and alarm is sounding every second.	The external or internal battery is incorrectly connected.	Check if all batteries are connected well.
Fault code is shown as 27 and the icon  is lighting on LCD display and alarm is continuously sounding.	Battery voltage is too high or the charger is fault.	Contact your dealer.
Fault code is shown as 28 and the icon  is lighting on LCD display and alarm is continuously sounding.	Battery voltage is too low or the charger is fault.	Contact your dealer.
The icon  and the icon OVERLOAD are flashing on LCD display and alarm is sounding twice every second.	UPS is overload	Remove excess loads from UPS output.
Fault code is shown as 43 and The icon OVERLOAD is lighting on LCD display and alarm is continuously sounding.	The UPS shut down automatically because of overload at the UPS output.	Remove excess loads from UPS output and restart it.
Fault code is shown as 14 and alarm is continuously sounding.	The UPS shut down automatically because short circuit occurs on the UPS output.	Check output wiring and if connected devices are in short circuit status.

Symptom	Possible cause	Remedy
Fault code is shown as 1, 2, 3, 4, 11, 12, 13 and 41 on LCD display and alarm is continuously sounding.	A UPS internal fault has occurred.	Contact your dealer
Battery backup time is shorter than nominal value	Batteries are not fully charged	Charge the batteries for at least 5 hours and then check capacity. If the problem still persists, consult your dealer.
	Batteries defect	Contact your dealer to replace the battery.
The icon  and the warning code <i>FR</i> flashing on LCD display and alarm is sounding every second.	Fan is locked or not working	Check fans and notify dealer!!

5. Storage and Maintenance

5-1. Operation

The UPS system contains no user-serviceable parts. If the battery service life (3~5 years at 25°C ambient temperature) has been exceeded, the batteries must be replaced. In this case, please contact your dealer.



Be sure to deliver the spent battery to a recycling facility or ship it to your dealer in the replacement battery packing material.

Storage

Before storing, charge the UPS 5 hours. Store the UPS covered and upright in a cool, dry location. During storage, recharge the battery in accordance with the following table:

Storage Temperature	Recharge Frequency	Charging Duration
-25°C - 40°C	Every 3 months	1-2 hours
40°C - 45°C	Every 2 months	1-2 hours

6. Specifications

MODEL		800	1.1K(L)	1.5K	2K(L)	2.5K	3K(L)
CAPACITY		800 VA / 640 W	1100 VA / 880 W	1500 VA / 1200 W	2000 VA / 1600 W	2500 VA / 2000 W	3000 VA / 2400 W
INPUT							
Acceptable Voltage Range		81-145 VAC or 162-290 VAC					
Frequency Range		60/50 Hz (auto sensing)					
OUTPUT							
Voltage Regulation (AC Mode)		110/120 VAC or 208/220/230/240 VAC					
Voltage Regulation (Batt. Mode)		±3%(before battery alarm)					
Frequency Range (Batt. Mode)		50 Hz or 60 Hz ± 1 Hz					
Current Crest Ratio		3:1					
Harmonic Distortion		8% max @ 100% linear load, 15% max @ 100% non-linear load (before alarm)					
Transfer Time		Typical 2-6 ms, 10ms max.					
Waveform (Batt. Mode)		Pure Sine Wave					
EFFICIENCY							
AC Mode		97%		97%		97%	
Buck & Boost Mode		90%		90%		90%	
Battery Mode		83%		85%		87%	
BATTERY							
Standard Model	Battery Type & Number	12 V/7 Ah x 2	12 V/9 Ah x 2	12 V/7 Ah x4	12 V/9 Ah x4	12 V/7 Ah x6	12 V/9 Ah x6
	Charging Voltage	27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%	
	Recharge Time	4 hours recover to 90% capacity					
Long-run Model	Charging Current	N/A	4 A/8A	N/A	4 A/8A	N/A	4 A/8A
	Charging Voltage		27.4 VDC ± 1%		54.8 VDC ± 1%		82.1 VDC ± 1%
PROTECTION							
Full Protection		Overload, short, discharge, and overcharge protection					
ALARM							
Battery Mode		Sounding every 10 seconds					
Low Battery		Sounding every second					
Overload		Sounding every 0.5 second					
Battery Replacement Alarm		Sounding every second					
Fault		Continuously sounding					
PHYSICAL							
Standard Model	Dimension, DXWXH (mm)	380 x 438 x 88		480 x 438 x 88		600 x 438 x 88	
	Net Weight (kg)	12.9	14.23	21.08	23.1	30.65	32.24
Long-run Model	Dimension, DXWXH (mm)	N/A	380 x 438 x 88	N/A	480 x 438 x 88	N/A	600 x 438 x 88
	Net Weight (kg)		10.8		14		18
ENVIRONMENT							
Operating Humidity		0-90 % RH @ 0- 40°C (non-condensing)					
Noise Level		Less than 45dB					
MANAGEMENT							
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC					
Optional SNMP		Power management from SNMP manager and web browser					

* Derate capacity to 80% of capacity when the output voltage is adjusted to 208VAC.

**Product specifications are subject to change without further notice.