

Interactive Off-Line UPS
500VA - 2000VA
USER MANUAL

1 UPS Safety

- Please abide by all the warnings and operation instructions in this manual and the UPS strictly. Do not operate the UPS before reading all the warnings and operation instructions. Please save the manual.
- For personal safety, do not open case of the UPS or replace any support material of the UPS without permission. For any questions, contact the service center or dealer.
- The mains socket outlet that supplies the UPS shall be installed near the UPS and shall be easily accessible.
- Reserve space around the area for UPS installation to ensure good ventilation for the vent, keep the UPS from water, combustible gases, corrosives, direct sunlight, rain, moisture, electric heaters, heating furnaces or other similar heat source devices.
- Do not allow any liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
- Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- Never connect a laser printer or scanner to the battery backup outlets of UPS. The equipment may draw significantly power to overload the UPS.
- 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.

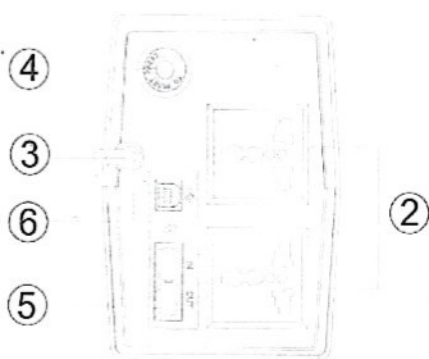
2 Battery Safety

- The batteries should be maintained by persons with professional knowledge about batteries.
- The batteries may have a short circuit or cause electric shocks. To avoid electric shock accidents, please abide by the following warnings during battery replacement:
 - ☞ Do not wear watch, ring or other metallic articles.
 - ☞ Use insulated tools.
 - ☞ Wear rubber shoes and gloves.
 - ☞ Do not put any metallic tools or parts on any battery.
 - ☞ Before battery terminal disassembling, disconnect the load connected with the batteries.
- Do not dispose of batteries in a fire as they may explode.
- Do not open or damage the batteries because the hazardous substances in their electrolyte (such as strong acid) are dangerous for skin and eyes. In the case of careless contact with electrolyte, wash with a lot of clean water immediately and see a doctor.
- Avoid short circuit between electrodes of the batteries because they may result in electric shocks or fires.

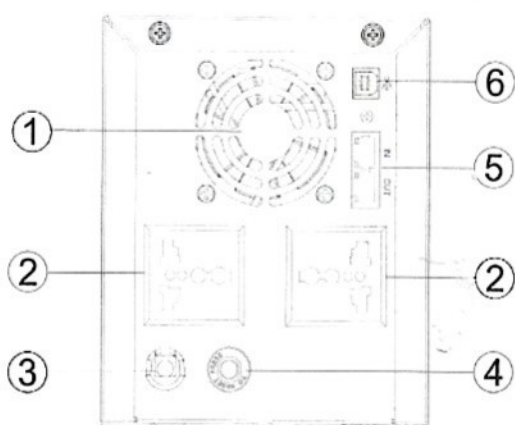
3 Installation and Operation

- Open package of the UPS, and check and make sure there is a main unit of UPS, a User's Manual.
- Remove the UPS from its package and inspect it for damage that may have occurred during shipping. If any damage is discovered, re-pack the unit and return it to the place of purchase.
- When first use the ups, please connect AC power cord to utility power. Then the UPS will start to charge inside battery for 6 hours.
- Plug your equipment to Battery Backup Outlets on the rear panel of the UPS.
- To turn on the UPS unit, press the power switch lightly. Then the LED will light up. When the UPS is off and there is no power utility, it's still possible to cold start the UPS unit to power the loads.
- To turn off the UPS unit, press the power switch again. Then the LED will go off.

4 Rear Panel



▲ 500VA-800VA



▲ 1000VA-2000VA

- ① Fan
- ② Output socket
- ③ AC input power cable
- ④ Over current protection for AC input (option)
- ⑤ RJ11 port (option)
- ⑥ USB port (option)

5 LED Indicators

► 500VA-800VA

LED	Alarm	UPS Status
●	Off	The mains is normal and UPS is operated normally.
★	1 Sounding / 10 s	Power failure occurs and UPS is on battery mode.
★	1 Sounding / 1 s	Low battery.
○	Off	UPS is off.
●	keeping sounding	UPS fault.

► 1000VA-2000VA

LED	Alarm	UPS Status
● Green	Off	The mains is normal and UPS is operated normally.
★ Yellow	1 Sounding / 10 s	Power failure occurs and UPS is on battery mode.
★ Yellow	1 Sounding / 1 s	Low battery.
○ Green	Off	UPS is off.
● Red	keeping sounding	UPS fault.

● LED on ○ LED Off ★ LED flicker

6 Troubleshooting

Problem	Possible Cause	Solutions
LED not light.	The UPS is not on.	Please press the power switch again.
	Battery voltage is too low.	Charge the battery at least 6 hours.
	Battery fault.	Replace the battery.
The UPS always on battery mode.	Power cord loose.	Re-plug the power cord.
keeping beeps.	UPS fault.	Please contact your dealer.
Backup time too short.	Battery voltage is too low.	Charge the battery at least 6 hours.
	Overload.	Please check the load.
	Battery defect.	Replace the battery.

If any abnormal situations occur that are not listed above, please contact your dealer for service immediately.

7 Specifications

Model	T0-SS0050D	T0-SS0060D	T0-SS0080D
Capacity	500VA/300W	600VA/360W	800VA/480W
Input voltage	220/230/240VAC		
Input voltage range	140-290 VAC		
Output voltage regulation	$\pm 10\%$ (Battery mode)		
Transfer time	Typical 2-6 ms		
Waveform	Simulated Sine Wave		
Battery type	12V/4.5Ahx1	12V/7Ahx1	12V/9Ahx1
Charging time	4-6 hours recover to 90% capacity		
Dimension (DxWxH mm)	275 x 100 x 138		
Net weight (kg)	3.4	4.0	4.7
Humidity	0-90% RH @ 0-40°C non-condensing)		
Noise level	Less than 40dB		

Model	T0-SS0100D	T0-SS0150D	T0-SS0200D
Capacity	1kVA/600W	1.5kVA/900W	2kVA/1200W
Input voltage	220/230/240VAC		
Input voltage range	140-290 VAC		
Output voltage regulation	$\pm 10\%$ (Battery mode)		
Transfer time	Typical 2-6 ms		
Waveform	Simulated Sine Wave		
Battery type	12V/7Ah x 2	12V/9Ah x 2	12V/9Ah x 2
Charging time	4-6 hours recover to 90% capacity		
Dimension (DxWxH mm)	321 x 131 x 179		
Net weight (kg)	8.1	11.3	12.0
Humidity	0-90% RH @ 0-40°C non-condensing)		
Noise level	Less than 40dB		

*Specifications are subject to change without notice.