

Monolith®

USER MANUAL

UPS LINE INTERACTIVE

Model: 53770, 53771, 53772, 53773, 53774,
53775, 53776, 53777

Qoltec®

1. Introduction

Thank you for your trust and for choosing Monolith UPS. We are confident that the product will satisfy your expectations. This manual will guide you through the installation and use of the product includes important safety instructions for proper operation. After reading this manual, don't hesitate to get in touch with our Customer Service Department if you have any questions.

2. Safety precautions

To ensure the safe using, please comply with the following:

1. This product is especially designed for the PC, it does not recommended for use in life - support systems and other specific important equipment.
2. Do not using over the rated loading.
3. UPS with the big capacity of battery, do not open the shell, or it would cause the risk of electric shock, if you need checking or remove the battery, send to the maintenance location.
4. Internal short circuit may cause electric shock or fire hazard, container containing liquid cannot be placed above the UPS, to avoid the risk of electric shock.
5. If the UPS smoking, shut down the power, then contact the dealer.
6. Please do not keep or use this product in the following environments:
 - Flammable gas, Corrosive substances, A lot of dust;
 - Temperature $< 0^{\circ}\text{C}$ or $> 40^{\circ}\text{C}$, humidity over 90%;
 - Under direct sunlight, or a place near the heater;
 - Near the severe vibration location;
 - Out door;
7. If these are fires around, please use the dry powder fire extinguisher, risk of electric shock would be happen if using a liquid fire extinguisher.
8. Please pul the socket near the UPS, so thai when an emergency situation occur can unplug the socket quickly to cut off the power.

3. Installation and use

1. Package inspection the package should be:
 - UPS
 - User manualTake out the UPS, check it whether be damaged during the transportation, if damaged or lost parts, do not turn on it, contact the dealer please.
2. Connect the AC power
When the input power wire connected to the UPS and start charging the battery, we recommend charging 6 hours before use.
3. Connect
Connect the equipment's input wire to the UPS'output power wire which on the back panel of the output socket of voltage regulators.

Prompt: the UPS should be "turn on", to confirm the UPS could Prevent the loss of your equipment's data.

Notice : don't connect the printer and the scanner, this could cause the over loading of the UPS, and then your UPS cannot work normally.

4. Turn on the UPS

Press the key of "on/off", when the light bright the UPS is working, this instrument with a DC switching function, it could switch on the UPS without AC power, easy for using. In case the AC power off, UPS start the baltery power working, then please save your work in PC, after the AC power recovery, switch on the UPS to recharge the battery.

5. Turn off the UPS

Press the key of "on/off", after the light off, then the UPS is power off.

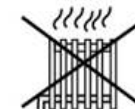
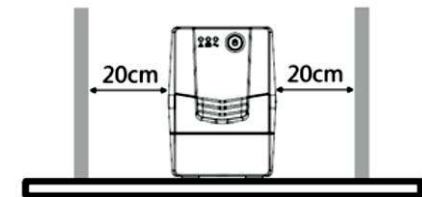
- When you start working, please turn UPS on, then open the load, after you finished your work, turn off the load then turn off the UPS.
- Normaly, keep the UPS "ON "to charge the battery.

Caution: NEVER connect a laser printer or scanner to the UPS. This may cause damage of the device.



Placement & storage conditions

Install the UPS in protected area without excessive dust and where is adequate air flow. Please place the UPS away from other devices at least 20 cm to avoid interference. Do NOT operate the UPS where the temperature and humidity it out of the specific limits.



4. Handling abnormal conditions

Problem	Probable cause	Solution
LED light off	UPS are not turn on	Press the "on" key to turn on the UPS
	Low voltage of the battery	Recharge the battery for at least 6 hours
	Battery damaged	Replace the battery
UPS stay in battery mode	The input wire not connected well	Re - plug in the input wire
UPS alarm continued	Over loading	Shut down parts of loading equipment, confirm the model and the capacity of the loading equipment before re - connecting
UPS alarm continued	Lower voltage of battery	Recharge the battery for at least 6 hours
	Over loading	Shut down parts of loading equipment, confirm the model and the capacity of the loading equipment before re - connecting
	Battery damaged	Replace the battery

SPECIFICATION

Model	53772	53773	53774	53775	53776 53770	53777 53771
Rated capacity	650V	850V	1000V	1200V	1500V	2000V
Usable Power	360V	480V	600V	720V	900V	1200V
Input voltage	140V~300V					
Output voltage	220V±10%					
Transfer time	Typical 4 - 8ms					
Wave form	Simulated Sine Wave					
Battery type	1x7Ah	1x9Ah	2x7Ah		2x9Ah	
Charging time	4-6 hours recover to 90% capacity					
Humidity	0-90% RH @ 0 - 40°C non - condensing					
Noise	Less than 40dB					

IMPORTANT SAFETY WARNING

Caution! To prevent the risk of fire or electric shock, install UPS in the indoor area free of conductive contaminants.

Caution! To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the device to direct sunlight or installing the UPS near heat emitting appliances such as heaters or furnaces.

Caution! Do not attach non-computer related items, such as medical equipment, life-support equipment, microwave ovens or vacuum cleaners to UPS.

Caution! Do not plug the UPS input into its own output.

Caution! 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 UPS.

Caution! In the event of any emergency, press the off button and disconnect the power cord from the AC power supply to properly disable UPS.

Caution! Do not attach a power strip or surge suppressor to the UPS.

Caution! If the UPS is equipped with a metal housing, it is necessary to reduce the leakage current below 3.5mA for safety reasons during installation of the UPS.

Pay attention to the risk of electric shock. Disconnecting the device from the network can be just as dangerous as there may still be voltage available through battery power. The battery supply should be disconnected and isolated before maintenance or service work are made inside the UPS.

Caution! Servicing of batteries should be performed or supervised by personnel who have knowledge about batteries and required precautions.

Caution! When replacing the batteries, use the same number and same type of batteries,

Caution! Internal battery voltage is 12V DC. Sealed, lead-acid, 6-cell battery.

Caution! Do not dispose batteries in fire. The battery may explode. Do not open or mutilate the battery. Released electrolyte is harmful to the skin and eyes.

Caution! Do not use liquid or spray detergent to clean the UPS. Unplug the UPS before cleaning.

Caution! The battery may cause an electric shock and short circuit. Before replacing it, the following precautions must be observed:

- Take off your watch, jewelry and other metal items.
- Use tools with insulated handles.
- Put on rubber gloves and shoes.
- Do not place tools or metal parts on the battery.
- Disconnect the charging source before connecting or disconnecting the battery terminals.

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