USER MANUAL

PRODUCT MANUAL



MT/LT Series 500-2000VA Standby UPS



Please strictly observe all warnings and operating instructions described in this manual. Keep this manual in a proper place so that you can read the following precautions carefully before installation. Be sure to read all safety instructions and operating instructions before operating this product.

★ Preface

Thank you for purchasing this series of UPS. This series features short-circuit protection, filtering, automatic shutdown and other functions, which greatly enhance the safety protection of your equipment! Please read the instructions carefully to avoid errors during use.

★ Safety Precautions

To ensure safe use, please observe the following:

1、 This product is designed for personal computers. It is not recommended for life-support systems or other critical equipment.

2、 Do not exceed the rated load.

3、 The UPS contains large-capacity batteries. Never open the enclosure, otherwise it may cause electric shock or other hazards. For internal inspection or battery replacement, please contact the designated service center.

4、 An internal short circuit of the UPS may cause electric shock or fire. Do not place containers with liquid on top of the UPS, otherwise electric shock may occur.

5、 If the unit smokes, cut off the power supply immediately and contact your dealer.

6、 Do not store or use this product in the following environments:

◆ Places with flammable gas, corrosive substances or large amounts of dust

◆ Places with abnormally high or low temperature (above 40° C or below 0° C) or high humidity (above 90%)

◆ Places exposed to direct sunlight or close to heating appliances

◆ Places subject to violent vibration

◆ Outdoors

7、 In case of fire around the UPS, use a dry-powder fire extinguisher. Using a liquid fire extinguisher may cause electric shock.

8、 Place the socket near the UPS so that the plug can be pulled out to cut off the power in an emergency.

★ Installation and Operation

① Unpacking Inspection

Open the package. It should contain:

- UPS unit
- User manual

Take the UPS out and check whether it was damaged during transportation. If it is damaged or any part is

missing, do not power it on, and notify the carrier or dealer.

② UPS Placement

Place the UPS in a proper location (see Item 6 of Safety Precautions).

③ Mains Connection

When the UPS is connected to the mains via the input power cord, the battery starts charging. It is best to charge the battery for at least 6 hours before use.

④ Connecting Equipment

Connect the input cord of your equipment to the regulated battery output sockets on the rear panel of the UPS.

Tip: Make sure the UPS is powered on so that it can protect the data of connected critical equipment against loss during a mains failure.

Note: Do not connect printers or scanners to the regulated battery output sockets of the UPS. These devices will significantly overload the UPS and cause it to malfunction.

⑤ Starting Up the UPS

To start the UPS, gently press the power switch and the indicator lights up.

This UPS supports DC start: it can be started directly without mains power for convenient use.

Once the mains power fails and the UPS switches to battery backup, save your work on the PC and other loads or take other emergency measures in time. After the mains power is restored, turn on the UPS promptly to charge the battery.

⑥ Shutting Down the UPS

To shut down the UPS, press the power switch again and the indicator goes off.

Note:

1、 When starting up, turn on the UPS first and then the loads such as computers; when shutting down, turn off the loads first and then the UPS.

2、 Under normal circumstances, it is recommended not to shut down the UPS so as to keep the battery charged.

3、 If any problem occurs during operation, refer to the Troubleshooting section of this manual. If the problem cannot be solved, contact professional customer service immediately.
Scan the QR code on the unit to obtain contact information

*

Buzzer Sounds and Indicator Meanings

Indicator (single LED): ● On ○ Off ★ Flashing

Indicator	Buzzer	Output	Description	Status
●	None	Normal	Mains input is normal, the UPS is operating normally	Normal
★	Beeps every 10 seconds	Normal	Mains power failed; the UPS is supplying power from the battery	Normal

★	Beeps every 1 second	Normal	The UPS battery has reached a low level	Normal
○	None	Stop	The power switch is off; the UPS has stopped	Off
●	Continuous beeping	Stop	UPS fault occurred	Fault

Indicators (three LEDs): ● On ○ Off ★ Flashing

Indicator	Buzzer	Output	Description	Status
● Green	None	Normal	Mains input is normal, the UPS is operating normally	Normal
★ Yellow	Beeps every 10 seconds	Normal	Mains power failed; the UPS is supplying power from the battery	Normal
★ Yellow	Beeps every 1 second	Normal	The UPS battery has reached a low level	Normal
○	None	Stop	The power switch is off; the UPS has stopped	Off
● Red	Continuous beeping	Stop	UPS fault occurred	Fault

★ Troubleshooting

Problem	Possible Cause	Solution
LED does not light up.	The UPS is not turned on.	Press the UPS power switch again to confirm.
	Battery voltage is too low	Charge the battery for at least 6 hours
	Battery is damaged	Replace the battery
The UPS is always in battery mode	The input cord is not connected properly	Re-insert the UPS input power cord firmly
The UPS beeps continuously	Overload	Remove some non-essential loads. Before reconnecting equipment, make sure the model and capacity of the loads comply with the load specifications of the UPS
Backup time is too short	Battery voltage is too low	Charge the battery for at least 6 hours
	Overload	Remove some non-essential loads. Before reconnecting equipment, make sure the model and capacity of the loads comply with the load specifications of the UPS
	Battery is damaged	Replace the battery

★ Technical Specifications

Model Naming Explanation:

① MT stands for lead-acid battery standby UPS

② LT stands for LiFePO4 battery standby UPS

③ Suffix -PRO indicates that a cloud monitoring card is configured

④ Suffix -I indicates IEC C13 output sockets and USB communication

⑥ Suffix -A indicates USB communication

⑤ Suffix -110V indicates a 110VAC UPS

[MT Series 220V Lead-Acid Battery Standby UPS]

Model	MT650	MT1000B	MT1000(-I/PRO)	MT1500(-I/PRO)	MT2000 (-I/PRO)
Capacity	600VA/360W	1000VA/600W		1500VA/900W	2000VA/1200W
Input Voltage Range	140-300VAC				
Output Voltage	220V±10% (battery mode)				
Transfer Time	Typ. 4-8 ms				
Output Waveform	Simulated sine wave				
Battery & Quantity	7AH x1	9AH x1	7AH x2	9AH x2	
Charging Time	6 hours to 90% capacity				
Dimensions mm (DxWxH)	280*100*144		370*138*165		
Weight (kg)	4.2	5.0	9.6	11.5	16.8

[LT Series 220V LiFePO4 Battery Standby UPS]

Model	LT500	LT1000 (-A/PRO)	LT1500 (-A/PRO)
Capacity	600VA/360W	1000VA/600W	1500VA/900W
Input Voltage	220VAC		
Input Voltage Range	140~300VAC		
Output Voltage	220V±10% (battery mode)		
Transfer Time	Typ. 4-8 ms		
Output Waveform	Simulated sine wave		
Battery Type	LiFePO4 battery		
Battery Capacity	12.8V 153.6Wh	25.6V 307.2Wh	25.6V 460.8WH
Charging Time	8 hours to 90% capacity		
Dimensions mm (DxWxH)	280*100*144	370*138*165	
Weight (kg)	3.4	7.4	9.5

[MT Series 110V Lead-Acid Battery Standby UPS]

Model	MT500-110V	MT1000-110V (-A/-PRO)	MT1500-110V (-A/-PRO)
Capacity	600VA/360W	1000VA/600W	1500VA/900W
Input Voltage	110V AC		
Input Voltage Range	81~134V AC		
Output Voltage	110V±10% (battery mode)		
Transfer Time	Typ. 4-8 ms		
Output Waveform	Simulated sine wave		
Battery & Quantity	12V/7Ah X 1	12V/7Ah x 2	12V/9Ah x 2
Charging Time	6 hours to 90% capacity		
Dimensions mm	280*100*144	370*138*165	
Weight (kg)	4.2	10	12

[LT Series 110V LiFePO4 Battery Standby UPS]

Model	LT500-110V	LT1000-110V (-A/PRO)	LT1500-110V (-A/PRO)
Capacity	600VA/360W	1000VA/600W	1500VA/900W
Input Voltage	110VAC		
Input Voltage Range	81~130VAC		
Output Voltage	110V±10% (battery mode)		
Transfer Time	Typ. 4-8 ms		
Output Waveform	Simulated sine wave		
Battery Type	LiFePO4 battery		
Battery & Quantity	12.8V 153.6Wh	25.6V 307.2Wh	25.6V 460.8WH
Charging Time	8 hours to 90% capacity		
Dimensions mm (DxWxH)	280*100*144	370*138*165	
Weight (kg)	3.5	8	9.5

Environmental Parameters

Temperature & Humidity	0-90% Humidity
Noise	Less than 40dB

* Specifications are subject to change without prior notice.

* For detailed product information, scan the QR code on the unit.

• Declaration:

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be

76.06.00007-00