

## Specification

Characteristic	Specification	
Rated Power	1200VA	
Backup Power	720W	
Input	165V~275V	
AVR Range	175V~265V	
Output	220V±10%	
Frequency	50Hz/60Hz	
Battery	Type	Sealed, maintenance-free lead acid
	Capacity	12V 7Ah/ 2 PCs
	Back-up time (half load)	Over 8 Minutes
	Typical Recharge Time	8-hour
LCD indicators	Status	NORMAL, FAULT, BATTERY, CHARGE, OVERLOAD
Audible Alarm	Battery Mode	Beeping sound every four seconds, every second if approaches final discharge
	Overload	Continuous beeping sound
Operating Environment	Temperature	-5°C~40°C
	Humidity	10%~90% RH, non condensing.
Audible Noise		< 45dB A
Transfer time		< 10 ms
Net weight		12.00 Kg
Dimension (WxDxH)		120x300x190 mm

## Maintenance

1. With normal use, a UPS battery will last three to six years depend on number of discharge and temperature. Replacement and servicing of the battery should be performed or supervised by personnel knowledgeable of batteries and their precautions. Keep unauthorized persons away.
2. Charge the UPS's battery every 3 months during extended storage.
3. Disconnect the power during extended storage to avoid overcharge of the battery.
4. Avoid overload or short circuit thought the UPS have build-in overload and short circuit protect function.

## Troubleshooting

Problem	Possible Cause	Action To Take
UPS not on, LCD not light	POWER button not pushed or push too short.	Press the POWER button and hold more than 4 seconds.
	PCB failure	Replace the PCB, call for service
UPS always at battery mode	Power cord lose	Replug the power cord
	AC fuse burn out	Replace the AC fuse
	Line voltage too high, too low or black out	normal condition
Buzzer continuous beeping	PCB failure	Replace the PCB, call for service
Buzzer continuous beeping	Overload	Remove the noncritical loads
UPS does not provide expected run time. Low battery warning is sounded prematurely.	Battery is weak due to wear or successive mains outages	Allow UPS to recharge battery for a minimum of 8 hours. If UPS sounds low battery warning prematurely, when retested, battery should be replaced.

Specifications are subject to change without prior notice

STAND BY UPS

# USER'S MANUAL

## UPS-1200D

## Introduction

SUP-1200D can instantly switch your computer to emergency battery backup power and allows you to work through brief power outages without data loss or downtime. It continuously conditions the power coming into your computer and providing power supply for virtually zero interruption. This state-of-the-art UPS is specially designed for PC users and also suitable for computer peripherals or POS. Besides its space-saving compact size, this UPS also impresses you with its elegant appearance. The attractive LCD display enables you to check the UPS working status at any time. A microprocessor is used as the controller that renders the product an intelligent UPS capable of self-protection and fault diagnosis. Build-in AVR function automatically adjusts itself to maintain a power supply of stable voltage when the utility power is of extra high or low voltage. High-performance surge suppression protects your computer from electrical noise and damaging power surges.

## Performance

### Uninterruptible Power

Protects your data by supplying battery backup when power fails.

### Microprocessor Control

By means of innovative software control programs, the complicated hardware circuitry is inlaid in the powerful microprocessor. Apart from reduced size, it also lowers the defective rate of UPS.

### LCD Display and Audible Alarms

Actively let you know if the unit is on battery, if the battery is low, or if there is an overload condition.

### High quality battery

The selection of high quality sealed lead-acid maintenance free battery maximizes the life span of the battery for enhanced economic benefits.

### Automatic Detection

When the UPS is powered on, it immediately performs an inspection of the battery capacity.

### Automatic Voltage Regulation

Corrects over- and under-voltages, without draining the battery. This preserves battery resources and ensures your UPS will provide the optimum runtime during a complete blackout.

### Surge Protection

Shields hardware from damage

### Automatic Charge

The UPS charges its battery whenever it is connected to utility power.

### Protection for Tel/Fax/Modem Connection

Protect the Tel/Fax/Modem from lightning and spike disturb.

## Installation

### Inspection

Inspect the UPS upon receipt. The packaging is recyclable. Save it for reuse or dispose of it properly.

### Placement

Install the UPS in a protected area with adequate airflow, and away from direct sunlight and excessive dust. Do not operate the UPS where the temperature and humidity is outside the specified limits in the Specifications Table.

### Connect to Utility

Connect the AC input power connector to utility power to power up the UPS.

### Charge the battery

The battery in the UPS will lose some charge in shipping and storage. It will recharge completely after approximately 8 hours of normal operation. Do not exceed full battery run time during this initial recharge period.

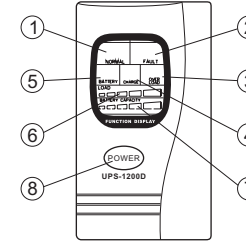
### Connect the loads

Plug the loads into the output connectors on the rear of the UPS.

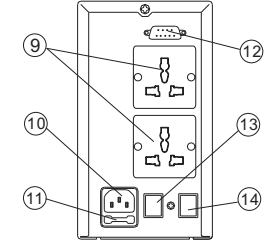
**Caution:** Never connect a laser printer or plotter to the UPS with other computer equipment. A laser printer or plotter periodically draws significantly more power than when idle, and may overload the UPS.

## Presentation

Front Panel



Rear Panel



- ① Normal: Utility power in normal condition.
- ② Fault: Utility power unusual or other problem occur.
- ③ Overload: UPS overload. The buzzer emits continuous alarm for 30 seconds.
- ④ Charge: Battery charge mode.
- ⑤ Battery: UPS transfer to backup or battery test mode. The buzzer emits alarm every four seconds.
- ⑥ Load: Capacity indicator
- ⑦ Battery: Capacity indicator
- ⑧ Power switch: Power on-off /\*Battery test and buzzer on-off
- ⑨ Output socket: Connect with load equipment
- ⑩ Input socket: Connect with utility power
- ⑪ Fuse set: Built-in fuse avoid damaged by short circuit or overload.
- ⑫ Communication interface port: Connect to the computer with the communication cable. (Optional)
- ⑬ Input phone jack: Insert the phone line into the jack. (optional)
- ⑭ Output phone jack: Connect to the Tel / Fax / Modem by another phone line. (optional)

## Operation

### Switch On

With the UPS plugged in, press and hold the POWER button more than 4 seconds until hearing one beep sound to switch the UPS on. The UPS will perform self-testing each time when it is switched on.

### Switch Off

By pressing and hold the POWER button more than 4 seconds until hearing one beep sound.

### Self-Test

In normal utility power, push the POWER button less than 1 second and UPS performs a self-test on the battery capacity. During the self-test, the UPS operates a back up mode, the BATTERY and FAULT icon stay on.

### Silence

In Back-up mode, push the POWER button less than 1 second to silence the audible alarm.

### Back Up (slow alarm)

When in Back Up mode, the BATTERY and FAULT icon illuminates and the UPS emit beeping sound every four seconds. The alarms stop when the UPS return to the utility power operation. Press the POWER button to stop the beeping.

### Low Battery (rapid alarm)

In Back Up mode, when the battery energy runs low, the UPS beeps rapidly until the UPS shuts down from battery exhaustion or return to utility power operation.

### Overload (continuous alarm)

When the UPS is overloaded, the OVERLOAD icon illuminates and the UPS emits continuous alarm for 30 seconds to warn an overload condition. Disconnect nonessential load equipment from UPS to eliminate the overload.