## Important Safety Warnings

**This manual contains instructions and warnings that should be followed during the installation, operating and storage of the UPS system. Please keep this manual for further reference.**

**CAUTION!** To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range)

**CAUTION!** To reduce the risk of overheating the UPS, do not cover the UPS' cooling vents and avoid exposing the unit to direct sunlight or installing the unit near heat emitting appliances such as radiators.

**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 unit.

**CAUTION!** In the event of an emergency, press the OFF button and disconnect the power cord from the AC power supply to completely disable the UPS.

**CAUTION!** The UPS installation must be correctly grounded in order to reduce leakage current below 3.5mA.

**Attention** The UPS output is supplied by two sources. When the UPS is disconnected from mains power, hazardous voltages may still be present from the internal battery. The battery should be disconnected when maintenance or service work inside the UPS is necessary.

**CAUTION!** Servicing of batteries should be undertaken or supervised by qualified personnel only.

**CAUTION!** When replacing the batteries, use the same number and type of batteries.

**CAUTION!** Dispose of batteries in the correct manner and in line with local laws and regulations. Never dispose of batteries in a fire. Do not attempt to open the battery. Released electrolyte is harmful to the skin and eyes.

**CAUTION!** Unplug the UPS prior to cleaning and do not use liquid or spray detergent.

**CAUTION!** A battery can present a risk of electric shock and short circuit.

**CAUTION!** This is a category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user many be required to take additional measures.

SECURITYDIRECT

ROLLER SHUTTERS | INDUSTRIAL DOORS
STEEL DOORS | SECURITY GRILLES

# CertaUPS

## C200 Uninterruptible Power Supply User Manual

| Specifications | | | |
|---|---|---|---|
| **MODEL** | **C200-1000** | **C200-1500** | **C200-2000** |
| **CAPACITY** | 1000VA/700W | 1500VA/1050W | 2000VA/1400W |
| **INPUT** | | | |
| Input Voltage | 110/120VAC or 220/230/240VAC | | |
| Voltage Range | 81-145VAC / 162-290VAC | | |
| **OUTPUT** | | | |
| Voltage Regulation | +/-10% | | |
| Transfer Time | Typical 2-6ms, 10ms max. | | |
| Waveform | Pure Sinewave | | |
| **BATTERY** | | | |
| Type & Number | 12V/7Ah x 2 | 12V/9Ah x 2 | 12V/10Ah x 2 |
| Charging Time | 4-6 hours recover to 90% capacity | | |
| **PHYSICAL** | | | |
| Dimension (DxWxH) mm | 350 x 146 x 160 | 397 x 146 x 205 | |
| Net Weight (kgs) | 8.96 | 12.18 | 13.7 |

# Installation & Operation

## ❶ Initial Set-up

After unpacking the unit, please avoid placing the unit in direct sun light, excessive heat, excessive humidity or in contact with fluids of any type. Please allow 20cm space around the unit for unrestricted airflow.

## ❷ Connect Mains Power

Plug the UPS into an electrical outlet that does not share a circuit with any other heavy electrical loads. Please charge the UPS for at least 6 hours prior to use.

## ❸ Connect Equipment

Connect critical equipment to the battery backup outlets, these are supported automatically when a mains failure occurs. Connect equipment that only needs surge suppression to the surge protected outlets. Power is not supplied to these outlets when the unit is switched off. Therefore, please be sure to switch the unit on.

**NOTE: Please DO NOT connect scanners or printers to the battery backup outlets.**

## ❹ Connect Modem/Phone/Network for Surge Protection

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

## Connect Communication Port

To allow for unattended UPS shutdown/start-up and status monitoring, connect the communication cable between the UPS and a USB port on your PC. With the monitoring software installed, you can schedule UPS shutdown/start-up and monitor UPS status through the PC.
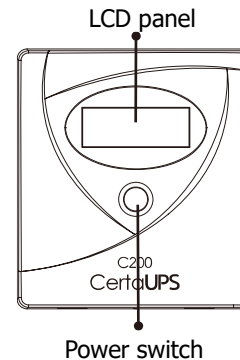
## Software Installation

1) Please download the monitoring and shutdown software from the website **www.certaups.com/downloads** to download ViewPower software.

2) When your computer restarts, the monitoring software will appear as an orange plug icon located in the system tray, near the clock.

## Power On/Off UPS

Press the power switch on the front panel of the UPS to turn on the UPS. Press the switch again to turn off the UPS.
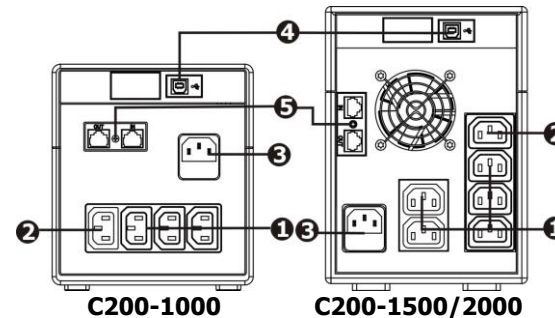
# Front Panel & Back Panel

LCD panel



Power switch

**LCD Panel:**



❶ Input voltage
❷ Output voltage
❸ AC mode indicator
❹ Battery mode indicator

❺ Load level indicator, flashing indicates overload
❻ Battery capacity indicator, flashing Indicates low battery



❶ Battery backup receptacles
❷ Surge protected receptacles
❸ AC input
❹ USB communication port
❺ Modem/Phone Line/Network surge protection

**C200-1000**　　**C200-1500/2000**

# Troubleshooting

| Problem | Possible Cause | Solutions |
|---|---|---|
| Nothing displays on the front panel. | Low battery. | Charge the UPS for at least 6 hours. |
| | Battery fault. | Replace the battery with the same type of battery. |
| | The UPS is not turned on. | Press the power switch again to turn on the UPS. |
| Alarm continuously sounds when the mains is normal. | The UPS is overloaded. | Remove some of the protected load first. Before reconnecting equipment, please verify that the load matches the UPS capability specified in the Spec. |
| When power fails, back-up time is shorten. | The UPS is overloaded. | Remove some of the protected load. |
| | Battery voltage is too low. | Charge the UPS at least 6 hours. |
| | Battery defect. It might be due to high temperature operation environment, or improper operation to battery. | Replace the battery with the same type of battery. |
| The mains is normal but UPS is on battery mode. | Power cord is loose. | Reconnect the power cord properly. |