

# User Manual

## PowerWalker Basic VI STL Series

600/800/1000/1200/1500/2200

### IMPORTANT SAFETY INSTRUCTIONS

#### (SAVE THESE INSTRUCTIONS)

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

**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 space 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 unit.

**CAUTION!** 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.

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

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

**CAUTION!** Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.

**CAUTION!** The battery supply should be therefore disconnected in the plus and minus pole at the quick connectors of the battery when maintenance or service work inside the UPS is necessary.

**CAUTION!** Internal battery voltage is 12Vdc. Sealed, lead-acid, 6-cell battery.

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

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

### INSTALLING YOUR UPS SYSTEM

#### UNPACKING

The box should contain the following:

(1) UPS Unit x1; (2) User Manual x 1;

#### OVERVIEW

The UPS provides automatic voltage regulation for inconsistent utility power, and provides battery backup during power outages, and ensures consistent power to your computer system.

#### HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on and off position.

2. With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive), etc. into the battery power supplied outlets. DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large electrical device into the battery power supplied outlets. The power demands of these devices will overload and possibly damage the unit.
3. Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc. Avoid using extension cords.
4. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
5. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker / fuse is normal and then turns the UPS on.
6. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
7. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

### BASIC OPERATION

#### Front panel

##### 1. LCD Display

The LCD will display the UPS status including input voltage, output voltage, percentage of load and battery...etc.

##### 2. Power Switch

Press the switch for 2 seconds to turn the UPS ON or OFF.

##### 3. Led Indicators

This LED is illuminated when the UPS is working.

#### Rear panel

##### 1. USB COMM. Port

This port allows connection and communication from the USB port on the computer to the UPS unit.

##### 2. RJ45/11 Communication Protection Ports

Communication protection ports will protect any standard modem, fax, telephone line, or network cable

##### 3. Input Circuit Breaker

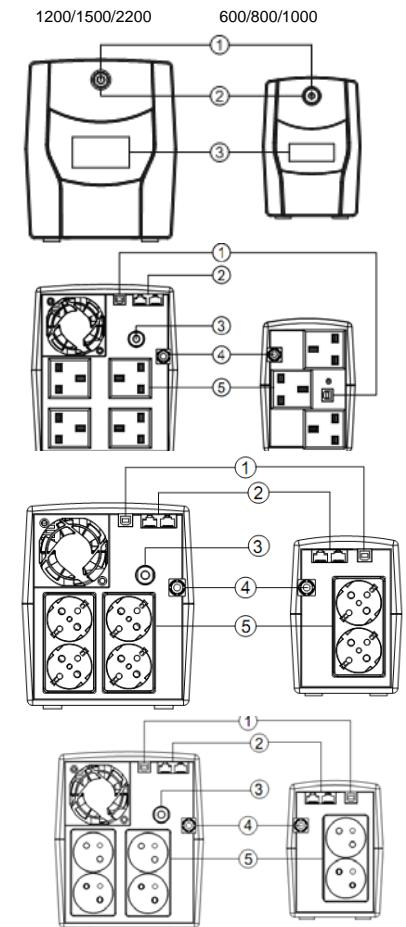
The circuit breaker provides optimal overload protection.

##### 4. Input power cord

Connect to utility power.

##### 5. Battery Backup & Surge Protected Outlets

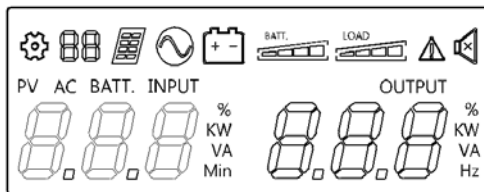
Provide battery backup and surge protection. They ensure power is provided to connected equipment over a period of time during a power failure.



## TECHNICAL SPECIFICATIONS

Model	VI 600 STL	VI 800 STL	VI 1000 STL	VI 1200 STL	VI 1500 STL	VI 2200 STL
Capacity(VA/W)	600/360	800/480	1000/600	1200/720	1500/900	2200/1320
<b>Input</b>						
Voltage Range	162~290Vac					
Nominal Frequency	50/60Hz					
<b>Output</b>						
On Battery Output Voltage	Simulated Sine Wave at 230Vac +/-10%					
On Battery Output Frequency	50/60Hz +/-1%					
Overload Protection	Breaker / Fuse					
<b>Physical</b>						
Dimensions (W x H x D)(mm)	96 x 138 x 286			148 X 178 X 298		
<b>Battery</b>						
Sealed Maintenance Free Lead Acid Battery	12V 7AH x1	12V 7.2AH x1	12V 9AH x1	12V 7AH x2	12V 7.2AH x2	12V 9AH x2
Typical Recharge Time	8 Hours					
<b>Warning Diagnostics</b>						
Indicators	Power On					
Audible Alarms	On Battery, Low Battery, Overload, Fault					
<b>Environmental</b>						
Operating Temperature	0°C to 40°C					
Operating Relative Humidity	0 to 90%					
<b>Management</b>						
Auto-Charger	Yes					
Auto-Restart	Yes					
USB COMM. Port	Yes, with HID support					
RJ45/11 Communication Protection Ports	Yes, surge protection					

## DEFINITIONS FOR ILLUMINATED LCD INDICATORS



LCD Indication

	Setting Item		Line mode
	Reserved function not available for this model		Bat-mode
	Fault		Sound disable (Press the display key 3s to disable and enable the buzzer sound)
	Bat mode: battery capacity Line mode: 1. Battery charging: cycle lighting 2. Battery full charged: lighting		Load capacity

## Line mode & Batt. Mode

Initial	AC INPUT (Voltage) V		OUTPUT (Voltage) V	

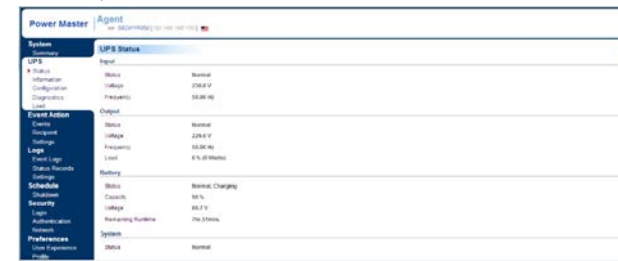
## TROUBLE SHOOTING

Problem	Possible Cause	Solution
The UPS does not perform expected runtime	Batteries are not fully charged. Battery is slightly worn out.	Recharge the battery by leaving the UPS plugged in. Contact Technical Support.
The UPS will not turn on.	The on/off switch is designed to prevent damage by rapidly turning it off and on.	Turn the UPS off. Wait 10 seconds and then turn the UPS on.
	The unit is not connected to an AC outlet.	The unit must be connected to a 230Vac 50/60Hz outlet.
	The battery is worn out. Mechanical problem.	Contact Technical Support. Contact Technical Support.
Outlets do not provide power to equipment	Circuit breaker is tripped due to overload	Turn the UPS off and unplug at least one piece connected equipment. Unplug the power cord of the UPS then press the circuit breaker knob.
	Batteries are discharged	Allow the unit to recharge for at least 4 hours.
	Unit has been damaged by a surge or spike	Contact Technical Support.
Fault code F09	Output Short : Output circuit short.	Shut down the UPS Your attached equipment may have problems, please remove them and check again.
Fault code F12	Battery voltage is too low.	Shutdown your computer and recharge the battery immediately.
Fault code F13	Battery is overcharged.	Contact Technical Support.
Fault code F14	Overload occurs: Your equipment requires more power than the UPS can provide. It will shutdown.	Shut off non-essential equipment. If this solves the overload problem, the UPS will transfer to normal operation.

## SOFTWARE DOWNLOAD

PowerMaster management software provides a user-friendly interface for your power systems. The graphic user interface is intuitive and displays essential power information at a glance. Please follow procedure below to install the software.

Installation procedure:



1. Download PowerMaster from the website: <http://powermaster.powerwalker.com/>

2. Double-click the file and follow the installation steps.

When your computer restarts, the Power Master software will appear as a blue icon located in the system tray.



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