

COMPUCESSORY™

Model: 25653

550VA/330W Ups Backup System

IMPORTANT SAFETY WARNINGS

(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. (Please see specifications for acceptable temperature and humidity range).

CAUTION! To reduce the risk of electric shock, do not remove the cover except to service the battery. No user serviceable parts inside except for battery.

CAUTION! Hazardous live parts inside can be energized by the battery even when the AC input power is disconnected.

CAUTION! UPS must be connected to an AC power outlet with fuse or circuit breaker protection. Do not plug into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the unit.

CAUTION! To avoid electrical shock, turn off the unit and unplug it from the AC power source before servicing the battery or installing a computer component.

DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT! Compucessory Systems does not sell products for life support or medical applications. DO NOT use in any circumstance that would affect operation or safety of any life support equipment or with any medical applications or patient care.

DO NOT USE WITH OR NEAR AQUARIUMS! To reduce the risk of fire or electric shock, do not use with or near an aquarium. Condensation from the aquarium can cause the unit to short out.

DO NOT USE WITH LASER PRINTERS! The power demands of these devices will overload and possibly damage the unit.

INSTALLING YOUR UPS SYSTEM

UNPACKING

Inspect the UPS upon receipt. The box should contain the following:

(1) UPS unit; (1) User's manual; (1) PowerPanel™ Personal Edition software CD; (1) USB device cable; (1) Telephone cable

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Make sure that the total Volt-Amp (VA) requirements of your computer, monitor and peripheral equipments does not exceed 1440VA.
2. Ensure that the equipment plugged into the four battery power-supplied outlets does not exceed the UPS unit's rated capacity (550VA/330W for CP550SL / AE550). If rated unit capacities are exceeded, an overload condition may occur and cause the UPS unit to shut down or the circuit breaker to trip.
3. If the power requirements of your equipment are listed in units other than Volt-Amps (VA), convert Watts (W) or Amps (A) into VA by doing the calculations below. Note: The below equation only calculates the maximum amount of VA that the equipment can use, not what is typically used by the equipment at any one time. Users should expect actual usage values to be approximately 60% of the calculated values.

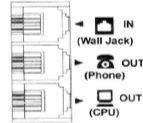
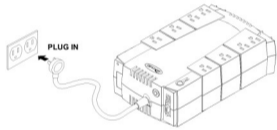
$$\text{Watts (W)} \times 1.67 = \text{VA} \text{ or } \text{Amps (A)} \times 120 = \text{VA}$$

Add the totals up for all pieces of equipment and multiply this total by .6 to calculate actual power requirements.

There are many factors that can affect the amount of power that your computer system will require. The total load that you will be placing on the battery-powered outlets should not exceed 80% of the unit's capacity.

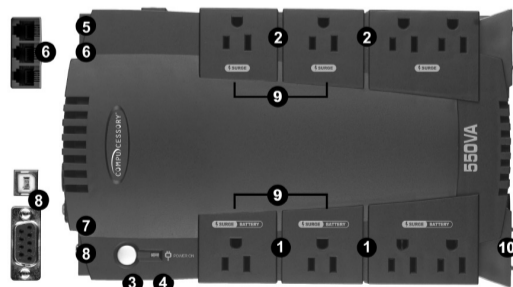
HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, **recharging the battery for at least 16 hours** is recommended to insure that the battery's maximum charge capacity is achieved. A loss of charge 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 as well as the OFF position. If you wish to use the software, use the enclosed USB device cable to connect the UPS to your computer. If you are not going to use the software, you do not need to connect the cable.
2. With the UPS unit turned off and unplugged, connect your computer, monitor and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc...) into the battery power supplied outlets. Plug your peripheral equipment (printer, scanner, speakers) into the full-time surge protection outlets. **DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum or other large electrical device into the UPS. The power demands of these devices will overload and possibly damage the unit.**
3. To protect a fax, phone or modem, connect a telephone cable from the wall jack outlet to the in jack of the UPS. Connect a telephone cable from the out jack with the CPU icon to the modem port on your computer. The out jack with the telephone icon can be used to protect a telephone or fax machine.
4. Plug the UPS into a 2 pole, 3 wire grounding 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. refrigerator, copier, etc...). The warranty prohibits the use of extension cords, outlet strips, and surge strips.
5. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep" once.
6. 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 is depressed and then turn the UPS on.
7. Your UPS is equipped with an auto-charge feature. When the UPS is plugged into an AC outlet, the battery will automatically recharge.
8. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
9. To store your UPS for an extended period, cover it and store with the battery fully charged. While in storage recharge the battery every three months to insure battery life.



BASIC OPERATION

DESCRIPTION



1. **Battery and Surge Protected Outlets**
The unit has four battery powered/surge protected outlets for connected equipments and ensures temporary uninterrupted operation of your equipment during a power failure.
2. **Full-Time Surge Protection Outlets**
The unit has four always on surge suppression outlets.
3. **Power Switch**
Can be used as a master on/off switch for equipment connected to the battery power supplied outlets.
4. **Power On Indicator**
This LED is illuminated when the utility condition is normal and the UPS outlets are providing power, free of surges and spikes.
5. **Electrical Wiring Fault Indicator**
This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, missing ground or reversed wiring. If this is illuminated, user is advised to disconnect all electrical equipment from the outlet and have an electrician check to ensure the outlet is properly wired. The unit will not provide surge protection without being plugged into a grounded and properly wired wall outlet.
6. **Communication Protection Ports**
Communication protection ports will protect any standard modem, fax or telephone line.
7. **Circuit Breaker**
Located on the side of the UPS, the circuit breaker serves to provide overload and fault protection.
8. **Serial/USB Ports to PC**
The ports allow connection and communication from the USB or DB-9 serial port on the computer to the UPS unit. The UPS communicates its status to the PowerPanel™ Personal Edition software. This interface is also compatible with the Power Management provided by Windows® 2000 and Windows® XP.
Note: Only one of these two ports can be used to communicate with your computer at one time.
Note: To install PowerPanel™ Personal Edition Software the computer will need Microsoft® Internet Explore 5.0 or higher installed.
9. **Note: If using the Serial Port, users need to download Power Panel® software from our website www.compucessory.com and order the standard serial cable**
10. **Outlets Designed for AC Adapters**
The unit has four outlets spaced allow AC power adapter blocks to be plugged into the UPS without blocking adjacent outlets.
11. **Vertical Use Stand**
The unit can be placed on it end in a vertical orientation.
Note: We recommend you place the unit next to the wall when standing the unit vertically.

TROUBLE SHOOTING

Problem	Possible Cause	Solution
Full-time surge protection outlets stop providing power to equipment. Circuit breaker button is projecting from the side of the unit.	Circuit breaker has tripped due to an overload.	Turn the UPS off and unplug at least one piece of equipment. Wait 10 seconds, reset the circuit breaker by depressing the button, and then turn the UPS on.
The UPS does not perform expected runtime.	Battery not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact CyberPower Systems about replacement batteries at tech@cyberpowersystems.com
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 110/120v 60Hz outlet.
PowerPanel™ Personal Edition is inactive (all icons are gray).	The USB / serial cable is not connected.	Connect the USB / serial cable to the UPS unit and an open USB / serial port on the back of the computer. You must use the cable that came with the unit.
	The USB / serial cable is connected to the wrong port.	Check the back of the computer for an additional USB / serial port. Move the cable to this port.
	The unit is not providing battery power.	Shutdown your computer and turn the UPS off. Wait 10 seconds and turn the UPS back on. This should reset the unit.

Additional troubleshooting information can be found at

www.compucessory.com

TECHNICAL SPECIFICATIONS

Model	25653
Capacity	550VA / 330W
Input Voltage on Utility	100V to 140V
Input Frequency	57 Hz to 63 Hz
On-Battery Output Voltage	120Vac ± 5%
Transfer Time	4ms Typical
Max. Load for UPS Outlets (4 Outlets)	550VA / 330W
Max. Load for Full-Time Surge Protection outlets (8 Outlets)	12 Amps
On-Battery Output Wave Form	Simulated Sine Wave Form
Operating Temperature	+ 32°F to 95° F / 0° C to 35° C
Operating Relative Humidity	0 to 95% NON-CONDENSING
Size (L x W x H)	10 5/8" x 6 1/2" x 3 1/2" / 27.1cm x 16.5cm x 8.7cm
Net Weight	12.5 lbs
Typical Battery Recharge Time	8 hours typical from total discharge
Typical Battery Life	3 to 6 years, depending on number of discharge/recharge cycles
Battery Type	12V / 8.0AH
Recommended Battery	Spill-proof, Maintenance-free, sealed lead-acid
Safety Approvals	UL1778(UPS), cUL107., FCC/DoC Class B

EXPECTED RUNTIME IN MINUTES

(Due to the differences in computer components, the runtime will vary.)

Model	iMac G4	Desktop PC with LCD Monitor	Desktop PC with 15" Monitor	Desktop PC with 17" Monitor	Desktop PC with 21" Monitor
25653	60 minutes	43 minutes	24 minutes	20 minutes	15 minutes

DEFINITIONS FOR ILLUMINATED LED INDICATORS

Power ON	Wiring Fault	Alarm	CONDITION
On	Off	Off	Normal
On	On/Off	Two Beeps	Utility Failure-The UPS is providing power to battery power-supplied outlets from its battery.
On	On/Off	Rapid Beeps	Utility Failure-The UPS is providing battery power. Rapid beeps indicate the unit will run out of power shortly.
Off	On/Off	Long Beep	Battery Overload-Occurs when connected equipment exceeds the rating of battery outlets of the unit. Turn the UPS off, unplug at least one piece of equipment from battery outlets, wait 10 seconds, reset the circuit breaker and turn the unit on.
On/Off	On	None	Electrical Wiring Fault- This indicates a wiring problem with the AC outlet such as bad ground, miss ground, or reversed wiring. User is advised to disconnect all electrical equipment from the outlet and have an electrician check the outlet to insure proper wiring.