COMPUCESSORY™
Model: 25650

1285VA/750W UPS Power System
User Manual

K01-0000018-00

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.

CAUTION! To reduce the risk of fire, connect only to a circuit provided with 20 amperes maximum branch circuit over current protection in accordance with the national Code, ANSI / NFPA 70.

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; (1) Coaxial Cable
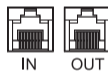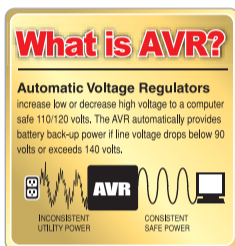
OVERVIEW
The model: 25650 provides automatic voltage regulation for inconsistent utility power. The model: 25650 features 1080 Joules of surge protection, and provides battery backup during power outages. The model: 25650 ensures consistent power to your computer system and its included software will automatically save your open files and shutdown your computer system during a utility power loss.

AUTOMATIC VOLTAGE REGULATOR
The model: 25650 stabilizes inconsistent utility power. The incoming utility power may be damaging to important data files, but with Automatic Voltage Regulation, the computer will not experience damaging voltage levels. An Automatic Voltage Regulator automatically increases low or decreases high voltage to a consistent, computer safe 110v/120v. The units powerful sealed lead-acid batteries will provide power only if the incoming voltage drops below 90v or increases above 140v.
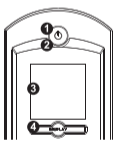
What is AVR?
Automatic Voltage Regulators increase low or decrease high voltage to a computer safe 110/120 volts. The AVR automatically provides battery back-up power if line voltage drops below 90 volts or exceeds 140 volts.

INCONSISTENT UTILITY POWER — AVR — CONSISTENT SAFE POWER

HARDWARE INSTALLATION GUIDE
1. Your new UPS may be used immediately upon receipt. However, recharging the batteries for at least 16 hours is recommended to ensure that the battery's maximum charge capacity is achieved. A loss of charge may occur during shipping and storage. To recharge the batteries, simply leave the unit plugged into an AC outlet. The unit will charge in both the ON as well as the OFF position.
2. With the UPS unit 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 surge protect a network connection, connect a network cable from the wall jack outlet to the IN jack of the UPS. Then connect a network cable from the OUT jack on the UPS to the network device.
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.

IN   OUT

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. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
8. 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 ensure battery life.

BASIC OPERATION

DESCRIPTION

① **Power Switch**
Used as the master on/off switch for equipment connected to the battery power supplied outlets.

② **Power On Indicator**
This LED is under the power switch. It illuminates when the utility condition is normal and the UPS outlets are providing power, free of surges and spikes.

③ **LCD Module Display.**
High resolution and intelligent LCD display shows all the UPS information with icons and messages. For more information please check the 'Definitions for Illuminated LCD Indicators' section.

④ **LCD Display Toggle/Selected Switch**
The switch can be used to select the LCD display contents including Input Voltage, Output Voltage and Estimated Run Time. The toggle frequency is set to one time per second. Holding the switch for more than two seconds while running on battery will silence the buzzer.

⑤ **Battery and Surge Protected Outlets**
The unit has four battery powered/surge protected outlets for connected equipment and ensures temporary uninterrupted operation of your equipment during a power failure.

⑥ **Full-Time Surge Protection Outlets**
The unit has four always on surge suppression outlets.

⑦ **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.
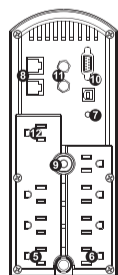
⑧ **Communication Protection Ports**
Communication protection ports will protect any standard modem, fax, telephone line, broadband network or Ethernet connection.

⑨ **Circuit Breaker**
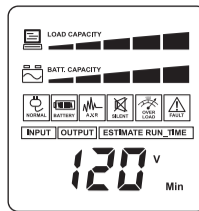Located on the side of the UPS, the circuit breaker serves to provide overload and fault protection.

⑩ **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 USB port will communicate with PowerPanel™ Personal Edition and the DB-9 port is for use with a serial cable and the Microsoft™ UPS Service.
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 Explorer 5.0 or higher installed.
Note: If using the Serial Port please read the directions to configure the Microsoft UPS service on our website www.compucessory.com . If you need a serial cable please contact the store or office where you have purchased this unit.

⑪ **Coax/Cable/DSS Surge Protection**
The Coax/Cable/DSS surge protection ports will protect any cable modem, CATV converter, or DSS receiver.

⑫ **Outlets Designed for AC Adapters**
The unit has four outlets spaced to allow AC power adapter blocks to be plugged into the UPS without blocking adjacent outlets.

DEFINITIONS FOR ILLUMINATED LCD INDICATORS

The LCD display indicates a variety of UPS operational conditions. All descriptions apply when the UPS is plugged into an AC outlet and turned on or when the UPS is on battery.

INPUT voltage meter: This meter measures the AC voltage that the UPS system is receiving from the utility wall outlet. The UPS is designed, through the use of automatic voltage regulation, to continuously supply connected equipment with stable, 110/120 output voltage. In the event of a complete power loss, severe brownout, or over-voltage, the UPS relies on its internal battery to supply consistent 110/120 output voltage. The INPUT voltage meter can be used as a diagnostic tool to identify poor-quality input power.

OUTPUT voltage meter: This meter measures, in real time, the AC voltage that the UPS system is providing to the computer, such as normal line mode, AVR mode, and battery back up mode.
Note: The OUTPUT voltage meter shows the status of the battery back up outlets.

ESTIMATE RUN TIME: This displays the run time estimate of the UPS with the current battery capacity and load.

NORMAL icon: This icon appears when the UPS is working under normal conditions.

BATTERY icon: During a severe brownout or blackout, this icon appears and an alarm sounds (two short beeps followed by a pause) to indicate the UPS is operating from its internal batteries. During a prolonged brownout or blackout, the alarm will sound continuously (and the BATT.CAPACITY meter shows one 20% capacity segment shaded) to indicate the UPS's batteries are nearly out of power. You should save files and turm off your equipment immediately.

AVR (Automatic Voltage Regulator) icon: This icon appears whenever your UPS is automatically correcting low AC line voltage without using battery power. This is a normal, automatic operation of your UPS, and no action is required on your part.

SILENT MODE icon: This icon appears whenever the UPS is in silent mode. The buzzer does not beep during silent mode until the battery reaches low capacity.

OVER LOAD icon: This icon appears and an alarm sounds to indicate the battery-supplied outlets are overloaded. To clear the overload, unplug some of your equipment from the battery-supplied outlets until the icon turns off and the alarm stops.

FAULT icon: This icon appears if there is a problem with the UPS. Contact CyberPower Systems at tech@cyberpowersystems.com for further help and support.

BATT. CAPACITY meter: This meter displays the approximate charge level (in 20% increments) of the UPS's internal battery. During a blackout or severe brownout, the UPS switches to battery power, the BATTERY icon appears, and the charge level decreases.

LOAD CAPACITY meter: This meter displays the approximate output load level (in 20% increments) of the UPS's battery outlets.

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.
	Mechanical problem.	Contact us at www.compucessory.com
PowerPanel™ Personal Edition is inactive (all icons are gray).	The USB cable is not connected.	Connect the USB cable to the UPS unit and an open USB port on the back of the computer. You must use the cable that came with the unit.
	The USB cable is connected to the wrong port.	Check the back of the computer for an additional USB 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

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TECHNICAL SPECIFICATIONS

Model	25650
Capacity	1285VA / 750W
Input Voltage on Utility	90V to 140V
Input Frequency	60 Hz ± 3 Hz
On-Battery Output Voltage	120Vac ± 5%
Transfer Time	4ms Typical
Max. Load for UPS Outlets	1285VA / 750W
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)	13 5/16" x 4" x 9 7/8" 33.8 x 10.0 x 24.9cm
Net Weight	24.4 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	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 17" LCD Monitor	Desktop PC with 19" LCD Monitor	Desktop PC with 21" LCD Monitor	Desktop PC with CRT Monitor
25650	145 minutes	89 minutes	65 minutes	54 minutes	43 minutes

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DEFINITIONS FOR ILLUMINATED LED INDICATORS

Power ON	Wiring Fault	Alarm	CONDITION
On	Off	Off	Normal
On	On/Off	2 beeps per 30 seconds	Utility failure—The UPS is providing battery power to the battery power-supplied outlets.
On	On/Off	Rapid beeps	Utility failure—The UPS is providing battery power.The rapid beeps mean that the battery will run out of charge within a few minutes.
On	On/Off	Long beeps	Battery overload—Occurs in the battery power-supplied outlets. Turn off the UPS and unplug at least one piece of equipment from the UPS. Wait 10 seconds, press the circuit breaker reset button, then turn the UPS on.
On	On	None	Electrical wiring fault—This means there's a wiring problem within the utility AC power outlet. A wiring problem could be a bad ground, missed ground, or reversed wiring. You should disconnect all equipment from the outlet and have it checked by an electrician.