

## Model: 25651/25652 User Manual

K01-BF80000

### 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 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.

### INSTALLING YOUR UPS SYSTEM

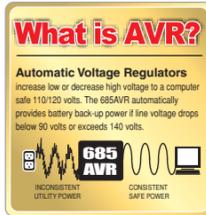
#### UNPACKING

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

#### WHAT IS AVR?

These machines provide complete power protection from utility power that is not always consistent. The 25651/25652 features 890 Joules of surge protection, and provide long lasting battery backup with a 8AH / 9AH battery for loss of utility power and voltage sags. The 25651/25652 ensures consistent power to your computer system and include software that will automatically save your open files and shutdown your computer system during a utility power loss.

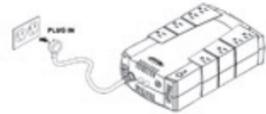


#### AUTOMATIC VOLTAGE REGULATOR?

The 25651/25652 controls utility power voltage levels that can be inconsistent. The incoming utility power may be at a damaging level to important data files, but with the Automatic Voltage Regulation of these units, the computer will only experience a consistent voltage level. An Automatic Voltage Regulator automatically increases low or decreases high voltage to a consistent, computer safe 110v/120v. The unit's powerful 8AH / 9AH battery will provide power only if the incoming voltage drops below 90v or increases above 140v.

#### 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. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet and turn on the power switch. If you wish to use the software, use the enclosed USB device cable to connect the UPS and your computer. If you are not going to use the software, you do not need to connect the cable.
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, 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.
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. Recharge the battery every three months to insure battery life.



### BASIC OPERATION

#### DESCRIPTION



- ① **Battery and Surge Protected Outlets**  
Provides 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**  
Provides 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.

- ⑤ **Electrical Wiring Fault Indicator**  
This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, miss 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.
- ⑥ **Communication Protection Ports**  
Communication protection ports will protect any standard modem, fax, telephone line, broadband network and Ethernet.
- ⑦ **Circuit Breaker**  
Located on the side of the UPS, the circuit breaker serves to provide overload and fault protection. Under normal operating conditions, the circuit breaker is depressed.
- ⑧ **Serial/USB Ports to PC**  
The ports allows connection and communication from the USB/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 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: PowerPanel™ Personal Edition Software should install to the computer with Microsoft® Internet Explorer 5.0 or higher installed.**  
**Note: By using Serial Port, users need to download Power Panel® software from our website <http://www.compucessory.com> and prepare the standard serial cable.**
- ⑨ **Outlets Designed for AC Adapters**  
Allows four AC power adapter blocks to be plugged into the UPS without blocking adjacent outlets.
- ⑩ **Vertical Use Stand**  
Allows the user to use the unit with vertical stand method.  
**Note: The unit can be used with vertical stand along the wall only.**
- ⑪ **Coax/Cable/DSS Surge Protection**  
Coax/Cable/DSS surge protection ports will protect any cable modem, CATV converter, and DSS receiver.

### TROUBLE SHOOTING

Problem	Possible Cause	Solution
Full-time surge protection outlets stop providing power to equipment.	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.
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.
	The battery is worn out.	Replace unit
	Mechanical problem.	Contact Compucessory at <a href="http://www.compucessory.com">www.compucessory.com</a>
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.
	The serial cable is not the cable that was included with the UPS unit.	You must use the serial cable that was enclosed with the unit for the software and unit to be able to communicate.

Additional troubleshooting information can be found at [www.compucessory.com](http://www.compucessory.com)

### TECHNICAL SPECIFICATIONS

Model	25652	25651
Capacity	685VA / 390W	800VA / 450W
Input Voltage on Utility	90V 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)	685VA / 390W	800VA / 450W
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)	10-2/3" x 6-1/2" x 3-1/2" / 27.1cm x 16.5cm x 8.7cm	
Net Weight	13.7 lbs	14.7 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	12V / 9.0AH
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 of computer equipments, the performance of the runtime will be different too.)

Model	iMac G4	Desktop PC with LCD Monitor	Desktop PC with 15" Monitor	Desktop PC with 17" Monitor	Desktop PC with 21" Monitor
25652	70 minutes	45 minutes	28 minutes	22 minutes	16 minutes
25651	85 minutes	52 minutes	36 minutes	28 minutes	20 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	Off	Long Beep	System Overload- Occurs when connected equipment exceeds the rating of unit. Turn the UPS off, unplug at least one piece of equipment, wait 10 seconds, reset the circuit breaker and turn the unit on.
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.