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 worn out.	Contact SnapAV about replacement batteries at 866.838.5052
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.	Contact SnapAV about replacement batteries at 866.838.5052
	Mechanical problem.	Contact SnapAV at 866.838.5052
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 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.

REPLACING THE BATTERY

When replacing batteries, replace with the same battery type (12V/9AH), with a maximum of 9 Ampere-hour batteries. There is risk of explosion if the battery is replaced by an incorrect type. Before replacing batteries, remove conductive jewelry such as chains, wrist watches, and rings. Do not dispose of batteries in a fire; the batteries may explode. Do not open or mutilate batteries as released material is harmful to the skin and eyes and may be toxic.

REMINDER: Batteries are considered HAZARDOUS WASTE and must be disposed of properly. Most retailers of lead-acid batteries collect used batteries for recycling, as required by local regulations.

1. Turn off and unplug all connected equipment and unplug it from the AC power source.

2. Turn the UPS upside down and remove the 1 retaining screw.

3. Slide the battery compartment cover completely off of the unit, remove the battery from the compartment, and disconnect the battery wires from the battery.

4. Install the replacement battery by connecting the red wire and black wire to the positive (+) and negative (-) terminal of the battery.

5. Put the battery back into the compartment and slide back the battery compartment cover and tighten the retaining screw. Charge the unit for 4 – 8 hours.

EP-400-UPS-8PS-600 Manual & Instructions

Episode® 8-Outlet Stand Alone UPS with RJ45/RJ11 (600VA - 340W -1030J)

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.

BOX CONTENTS
(1) UPS unit; (1) User's manual; (1) PowerPanel® Personal Edition software CD; (1) USB device cable; (1) Telephone cable; (1) Wall Mount Template

IMPORTANT SAFETY INSTRUCTIONS

1. 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).

2. To reduce the risk of electric shock, do not remove the cover except to service the battery. There are no user serviceable parts inside except for battery.

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

4. The 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.

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

6. 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 Electric Code, ANSI/NFPA 70.

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

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

1. Ensure that the equipment plugged into the outlet does not exceed the UPS unit's rated capacity. If the rated capacities of the unit are exceeded, an overload condition may occur and cause the UPS unit to shut down or the circuit breaker to trip. Note: There are many factors that can affect the amount of power that your computer system will require. It is suggested that the load you will be placing on the outlet not exceed 80% of the unit's capacity.

2. If the power requirements of your equipment are listed in units other than volts (VA), they can be converted using the calculations below:

_____ Watts(W) x 1.67 = _____ VA   or   _____ Amps (A) x 120 = _____VA

Add the totals up for all pieces of equipment and multiply this total by .6 to calculate actual power requirements.
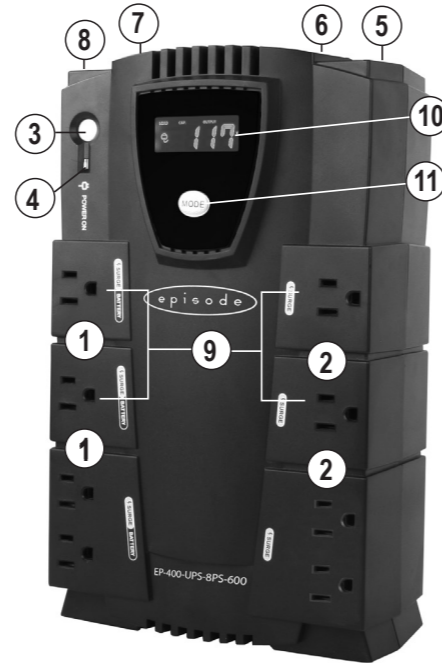
Note: These equations only calculate the maximum amount of Volts that the equipment can use, not what is typically used by the equipment at any one time. Users should expect actual usage values to be approximately 60% of the calculated values.

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. A loss of charge may occur during shipping and storage. To recharge the battery, plug the unit in to an AC outlet.

2. With the UPS unit off and unplugged, connect your computer, monitor, and any other peripherals requiring battery backup into the battery power supplied outlets. Plug your other peripheral equipment (printer, scanner, speakers) into the full-time surge protection outlets. DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum, sump pump or other large electrical device into battery and surge protected outlets. The power demands of these devices will overload and possibly damage the unit.

3. To protect a network connection from surges, connect a network cable into 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. air conditioner, 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 indicator light will illuminate and the unit will "beep".

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. 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

1. Battery and Surge Protected Outlets: The unit has four battery powered/surge suppression outlets for connected equipment to ensure temporary uninterrupted operation of your equipment during a power failure. (DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum, sump pump or other large electrical device into battery and surge protected outlets. The power demands of these devices will overload and possibly damage the unit.)

2. Full-Time Surge Protection Outlets: The unit has four surge suppression outlets which are always on

3. Power Switch: Press the power button to turn the UPS ON or OFF.

4. Power On Indicator: This LED is illuminated when the utility power 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, it is recommended to disconnect all electrical equipment from the outlet and have an electrician verify 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, telephone line, network or Ethernet connection (RJ11/RJ45).

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

8. USB Port: Allows for connection and communication between the USB port on the computer and 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® Vista. Note: To install PowerPanel® Personal Edition Software the computer will need Microsoft Internet Explorer 6.0 or higher installed.

9. Outlets Designed for AC Adapters: The unit has four outlets spaced to allow AC power transformers to be plugged into the UPS without blocking adjacent outlets.

10. LCD Module Display: Crystal Blue intelligent LCD panel shows all the UPS information using icons and messages. For more information please check the "Definitions for Illumination LCD Indicators" section below.

11. LCD Panel Toggle Switch: The switch can be used to select the LCD panel displayed information 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.

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 the 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, missing ground, or reversed wiring. User is advised to disconnect all electrical equipment from the outlet and have an electrician check the outlet to verify proper wiring.

DEFINITIONS FOR ILLUMINATED LCD INDICATORS:

LINE MODE

Select SW Press	UPS Status Display			Capacity Display		Digital Value Display				
	⟳	🔋	🔇	Load Capacity	Battery Capacity	Input Voltage	Output Voltage	Run Time	% of Load	% of Battery
Initial	O	X	X	O	X	O				
1st	O	X	X	O	X		O			
2nd	O	X	X	O	X			O		
3rd	O	X	X	O	X				O	
4th	O	X	X	X	O					O
5th (Return)	O	X	X	O	X	O				
(Overload)	O	X	X	--	--	--	--	--	--	--

O = light up; X = go out; -- = not available

BATTERY MODE

Select SW Press	UPS Status Display			Capacity Display		Digital Value Display				
	⟳	🔋	🔇	Load Capacity	Battery Capacity	Input Voltage	Output Voltage	Run Time	% of Load	% of Battery
Initial	X	O	--	X	O	O				
1st	X	O	--	X	O		O			
2nd	X	O	--	O	X			O		
3rd	X	O	--	X	O					O
4th	X	O	--	X	O	O				
5th (Return)	X	O	--	X	O		O			
Press > 3 sec (Sound Disable)	X	O	O	--	--	--	--	--	--	--
Press > 3 sec again (Sound Enable)	X	O	X	--	--	--	--	--	--	--
(Overload)	X	O	--	--	--	--	--	--	--	--

- **INPUT voltage meter:** This meter measures the AC voltage that the UPS system is receiving from the utility wall outlet. The UPS is designed 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 during normal line mode, and battery backup mode.

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

- **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. The BATTERY CAPACITY meter will show one 20% capacity segment remaining to indicate the UPS's batteries are nearly out of power. You should save files and turn off your equipment immediately.

- **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.

- **BATTERY 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.

SPECIFICATIONS

Product Dimensions	8.2 x 7.6 x 3.7 (LxWxH)
Weight	12 lb.
Cable Length	6 ft.
Operating Temperature	32ºF to 95ºF (0ºC to 40ºC)
Operating Humidity	0%~90% non condensing
Storage Temperature	5ºF to 113ºF (-15ºC to 45ºC)
Number. of RJ11/ RJ45 Connectors	2 (1-in, 1-out)
RJ11/ RJ45 Clamping Level	310 V for RJ11, 6.8 V for RJ45
Output Plug Type	Nema5-15P
Output Plug Style	Right Angle
Resettable Circuit Breaker	Yes
Number of Total Outlets	8
Number of Surge Protection Outlets	8
Number of Surge & Battery Backup Outlets	4
Maximum Current	15A
Maximum Wattage Rating (Watts)	340
Line Voltage (VAC)	100 ~ 140
Battery Voltage (VAC)	120 +/- 5%
Line Frequency (Hz)	60 +/- 3
Battery Frequency (Hz)	60+/-1%

Battery Waveform	Simulated Sine wave
Overload Protection	Internal circuitry limiting / circuit breaker
Transent Response Time (ms)	< 4 millisecond
Single Pulse Energy Dissipation (Joules)	1030
Battery Runtime at Half Load (min)	9
Battery Runtime at Full Load (min)	2
Battery Typical Recharge Time (Hours)	8
Battery Type	Sealed Lead Acid
Battery Size	12V/7AH
User Replaceable Battery	Yes
Battery Qty	1
PRODUCT COMPLIANCE (UL, FCC, RoHS, CE)	UL 1778 (UPS), cUL, 107.1, FCC, Class B, RoHS
UL 498 LISTED (Attachment plugs and receptacles)	Yes
UL FILE NUMBER and/or CSA FILE NUMBER	E187679
Cable Type	USB
Software	PowerPanel® Personal Edition