

INSTALLATION & OPERATION

1 Inspection

The following items are inside the box:

- UPS unit ● User manual

Remove the UPS from its package and inspect it for damage that may have occurred during shipping. If any damage is discovered, re-pack the unit and contact N1C Critical Technologies.

2 Connect to Utility Power

Connect AC power cord to utility power. Then, the UPS will start to charge inside battery. For best result, charge the battery for 6 hours prior to initial use.

3 Plug in Equipment

Plug your equipment to Battery Backup Outlets on the rear panel of the UPS.

NOTE: Make sure that the UPS is powered on to protect all important devices from data loss during power failure.

CAUTION: NEVER connect a laser printer or scanner to the battery backup outlets of UPS. The equipment may draw significantly power to overload the UPS.

4 Connect Modem/Phone Line

This UPS protects a single line (1 in/1 out) phone, modem, or fax machine from surges when connected through the UPS. Plug in conning Internet line into the "IN" socket. Use one more Internet line cable in the "OUT" socket and plug one other end to the modem input socket.

5 Connect Com. Port and Install Software

Connect one end of the USB cable to PC and the other to the USB port at the rear of the UPS.

Download the latest version of ViewPower software from <https://n1critical.com> to your hard drive. Follow on-screen instructions to complete the software installation.

LCD DISPLAY

Operation Display

UPS Mode	LCD	Description
UPS Power on		When UPS is powered on, it will enter this mode for 4 seconds.
AC Mode		LCD information will be displayed in the following order when LCD is touched. <ol style="list-style-type: none"> 1. Output voltage 2. Input voltage 3. Load level 4. Battery capacity
Overload in AC mode		When overload occurs, alarm will beep every 0.5 second.
Battery Mode		Alarm will beep every 10 seconds and LCD information will be displayed in the following order when LCD is touched. <ol style="list-style-type: none"> 1. Output voltage 2. Input voltage 3. Load level 4. Battery capacity
Overload in battery mode		When overload occurs, alarm will beep every 0.5 second.

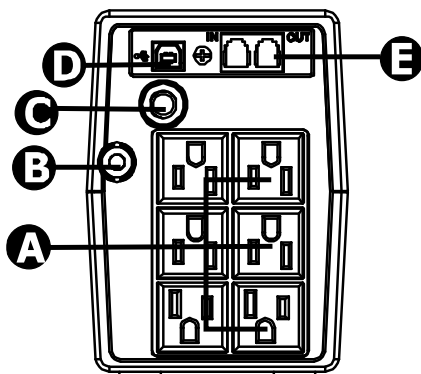
NOTE: If backlight shuts off, you may activate it by touching the screen.

Fault Code Table:

Fault condition	LCD	Solutions
Output short circuited	F01	Disconnect short-circuited loads and restart the UPS again.
Overload fault	F02	Disconnect all output loads and restart the UPS again.
Overcharge	F03	Call for service immediately.
Bad or severely discharged battery	F04	Please replace the battery.
High output voltage fault	F05	Call for service immediately.
Over-temperature	F06	<ol style="list-style-type: none"> 1. Turn off the unit and wait for cooling. 2. Or remove excessive loads and wait for cooling.

If fault alarm occurs, please call for service immediately.

REAR PANEL



A Battery backup outlets

B AC input

C Fuse/Circuit breaker (option)

D USB com. port

E Modem/Phone line surge protection

SAFETY CAUTION

SAVE THESE INSTRUCTIONS-This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries.

- This UPS utilizes voltage that may be hazardous. Do not attempt to disassemble the unit. Only factory service personnel may perform repairs. Unauthorized service will void the manufacturer's warranty.
- Operator may replace the battery.
- Do not use an extension cord to power the UPS.
- During the installation of this equipment it should be assured that the sum of the leakage currents of the UPS and the connected loads does not exceed 3.5mA.
- Connection to any other type of receptacle other than a 110/120VAC, three-wire grounded receptacle may result in shock hazard as well as violate local electrical codes.
- 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.
- Do not allow any liquids or any foreign object to enter the UPS. Do not place beverages or any other liquid-containing vessels on or near the unit.
- This unit intended for installation in a controlled environment (temperature controlled, indoor area free of conductive contaminants). Avoid installing the UPS in locations where there is standing or running water, or excessive humidity.
- Do not plug the UPS input into its own output.
- Do not attach a power strip or surge suppressor to the UPS.
- Do not attach non-computer-related items, such as medical equipment, life-support equipment, microwave ovens, or vacuum cleaners to UPS.
- Do not dispose of batteries in a fire as they may explode.
- A battery can present a risk of electrical shock and high short circuit current. The following precautions should be observed when working on batteries:
 - 1) Remove watches, rings, or other metal objects from the hands.
 - 2) Use tools with insulated handles.
 - 3) Wear rubber gloves and boots.
 - 4) Do not lay tools or metal parts on top of batteries.
 - 5) Disconnect charging source prior to connecting or disconnecting batteries terminal.
 - 6) Determine if battery is inadvertently grounded. If inadvertently grounded, remove source from ground. Contact with any part of a grounded battery can result in electrical shock. The likelihood of such shock can be reduced if such grounds are removed during installation and maintenance.
- Internal battery voltage is 12VDC, lithium-ion phosphate battery.
- Servicing of batteries should be performed or supervised by personnel knowledgeable of batteries and the required precautions. Keep unauthorized personnel away from batteries.
- When replacing batteries, replace with the same battery model as OEM equipment.
- Do not open or mutilate the battery or batteries. Release electrolyte is harmful to the skin and eyes. It may cause a fire.
- After disconnecting this unit from utility power, hazardous voltage still may be accessible through supply from battery. The battery supply should be therefore disconnected at the connectors of the battery when maintenance or service work inside the UPS is necessary.
- 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 heater or furnaces.
- Unplug the UPS prior to cleaning and do not use liquid or spray detergent. Used compressed air only.
- **WARNING:** This is a category C2 UPS product. In a residential environment, this product may cause radio interference, in which case the user may be required to take additional measures.

SPECIFICATIONS

MODEL	N1C.A800
CAPACITY	800VA/500W
Input Voltage	110/120 VAC
Input Voltage Range	81-145 VAC
Output Voltage Regulation	± 10 % (Bat. mode)
Transfer Time	Typical 2-6 ms
Waveform	Simulated Sine Wave (battery mode)
Battery Type & No	Lithium 12V/6Ah x 1
Charging Time	6 hours recover to 90% capacity
Dimension (DxWxH)	300 x 101 x 142 mm 11.8 x 4 x 5.6 in
Net Weight	5 kgs (11lbs)
Humidity	0-90% RH @ 0-40°C (0-104°F) non-condensing)
Noise Level	Less than 40dB

*Specifications are subject to change without notice.

TROUBLESHOOTING

Problem	Possible Cause	Solutions
Nothing is displayed on LCD panel.	The UPS is not on.	Press the power switch again to turn on the UPS.
	Battery voltage is too low.	Charge the battery at least 6 hours.
	Battery fault.	Replace the battery.
The UPS always on battery mode.	Power cord loose.	Re-plug the power cord.
	Input breaker is tripped.	Reset input circuit breaker.
The UPS continuously beeps.	Please check the fault code for the details.	Please check the fault code for the details.
Backup time too short.	Battery voltage is too low.	Charge the battery at least 6 hours.
	Overload.	Remove some unnecessary loads. Before reconnecting equipment, please verify that the load matches the UPS capability specified in the specs.
	Battery defect.	Replace the battery.

If any abnormal situations occur that are not listed above, please call for service immediately.