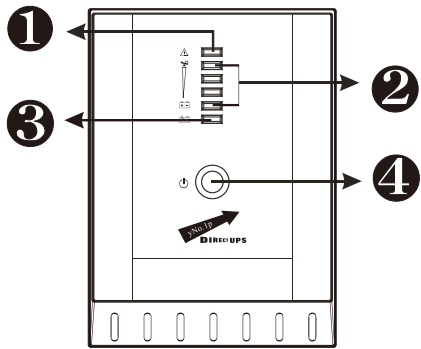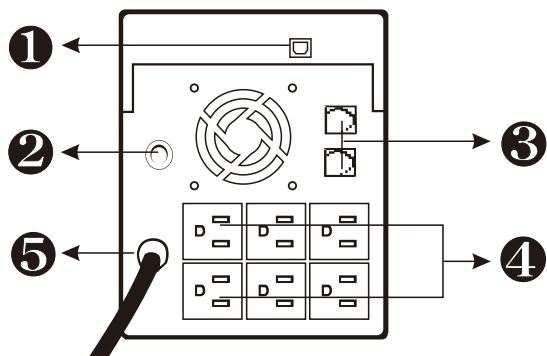## System Description

Front Panel --
1. Fault LED
2. AC Mode : Load Level LEDs
   Backup Mode : Battery Capacity LEDs
3. AC Mode : Green lighting
   Backup Mode : Green flashing
4. Power "ON/OFF" Switch

Back Panel --
1. USB Port
2. Circuit Breaker
3. Modem/Phone Line Surge Protection
4. Battery Backup Outlets
5. AC Input

Specification

MODEL		Vesta Pro 1000
CAPACITY	VA/W	1000VA/600W
INPUT	Voltage	120VAC
	Voltage Range	89-145VAC
OUTPUT	Voltage	120VAC
	Voltage Regulation (Batt. Mode)	+/- 10%
	Frequency	50Hz or 60Hz
	Frequency Regulation (Batt. Mode)	+/- 1Hz
	Output Waveform	Modified Sinewave
BATTERY	Battery Type & Number	12V7.2Ah x 2 pcs
	Backup Time (at 2-PC load with 15" monitor)	20 minutes
	Recharge Time	8 hours to 90% after complete discharge
TRANSFER TIME	Typical	4-6 ms
INDICATOR	AC Mode	The 1st green LED lighting, and the 2nd to 5th green LEDs gradually lighting indicating load level
	Backup Mode	The 1st green LED flashing, and the 2nd to 5th green LEDs gradually lighting indicating battery capacity
	Fault	Red LED lighting
AUDIBLE ALARM	Backup Mode	Sounding every 10 seconds
	Low Battery	Sounding every second
	Overload	Sounding every 0.5 seconds
	Fault	Continuously Sounding
	Battery replace	Sounding every 2 second
PROTECTION	Full Protection	Overcharge, and overload protection
PHYSICAL	Dimension DxWxH	15.7"x5.7"x8"(399mmx145mmx205mm)
	Net Weight	21.12lb(9.6kg)
	Outlets	NEMA5-15Rx6(6 battery backup)
ENVIRONMENT	Operating Environment	0-40℃, 0-90% relative humidity (non-condensing)
	Noise Level	Less than 45dB
INTERFACE	USB	Support windows family, Linux, Sun Solaris, IBM-Aix, HP-UX, Compaq True64, FreeBSD, UnxiWare and MAC

Trouble Shooting

Symptom	Possible Cause	Remedy
No LED display on the front panel.	1. Missing battery.	1. Charge battery up to 8 hours.
	2. Battery defect.	2. Replace with the same type of battery.
	3. Power switch is not pressed.	3. Press power switch again.
Alarm buzzer beeps continuously when AC supply is normal.	Overload of the UPS.	Verify that the load matches the UPS capability specified in the specs.
When power failure, back-up time is shorten.	1. Overload of the UPS.	1. Remove some noncritical load.
	2. Battery voltage is too low.	2. Charge battery 8 hours or more.
	3. Battery defect due to high temperature operation environment, or improper operation to battery.	3. Replace with the same type of battery.
Communication lost between UPS and computer.	1. Software is not installed well.	1. Check the setting of the software .
	2. Cable is not properly connected.	2. Check the RS-232 cable is firmly connected to COM1/COM2 of the computer and confirm the setting again.
Mains normal but the UPS is not working.	1. Circuit breaker is broken.	1. Reset the circuit breaker..
	2. Power cord is loose.	2. Reconnect the power cord properly.

USER MANUAL

Direct UPS
Vesta Pro 1000
No.1p

Uninterruptible Power Supply

Runtime table

Typical Runtimes in Minutes
Vesta Pro 1000VA Battery Runtimes

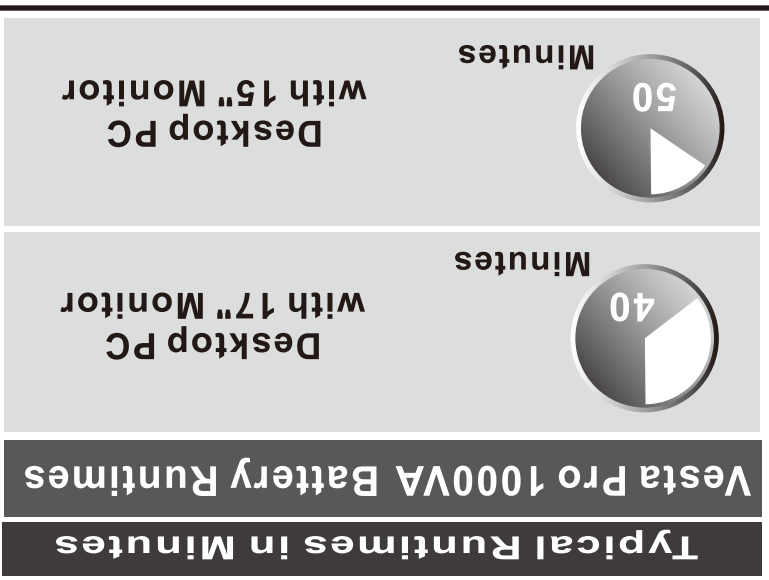| Desktop PC with 17" Monitor	40 Minutes
Desktop PC with 15" Monitor	50 Minutes

- 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 terminals.
- 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 number and type of sealed lead-acid battery.

Installation and Operation

Installing the UPS is as easy as following the steps shown below. Be aware of the Power Switch must be kept in the "ON" position, otherwise, the UPS will be disabled and your equipment will not be protected during a power failure.
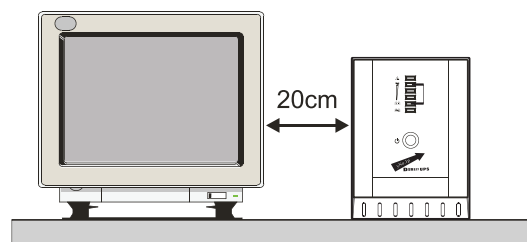
1 Inspection
Remove the UPS from its package and inspect it for damage that may have occurred during shipping. If any damage is discovered, re-pack the unit and return it to the place of purchase.
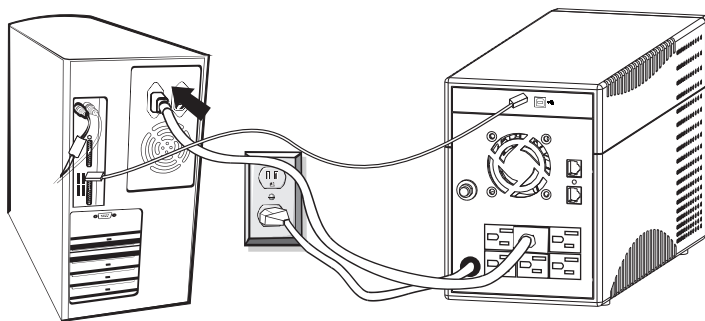
2 Placement
Install the UPS unit in any protected environment that provides adequate airflow around the unit, and is free from excessive dust, corrosive fumes and conductive contaminants. Do not operate your UPS in an environment where the ambient temperature or humidity is high. On the other hand, place the UPS unit away from the monitor at least 20cm to avoid interference.

20cm

3 Charging
This unit is shipped from the factory with its internal battery fully charged, however, some charge may be lost during shipping and the battery should be recharged prior to use. Plug the unit into an appropriate power supply and allow the UPS to charge fully by leaving it plugged in for at least 8 hours.

8 hours

4 Computer Connection
Connect one computer-related device into each of the power receptacles supplied on the back of the UPS.

5 Peripheral Equipment Connection
Plug your peripheral equipment (printer, scanners, speakers) into the back of the UPS.

Printer

Note: 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.

6 Modem/Phoneline Connection
Plug incoming internet line into the "In" socket at the back of the UPS. Use on more Internet line cable and plug one end of the Internet line cable to the "Out" socket at the back of the UPS. Plug the other end of the modem input socket as shown below.

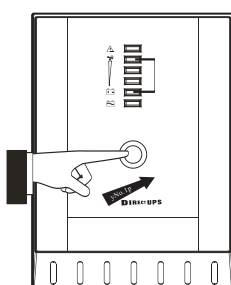Incoming Internet line

7 Serial cable Connection
To allow for unattended system shutdown for your operating system, connect the serial cable as per diagram below.

8 Turn On/Off
Vesta Pro Series will be turned on automatically at first plug-in. At this moment, press power switch lightly to turn off the UPS. To turn on the UPS again, just simply press power switch again. Please DO NOT punch it for extended life of the power switch.
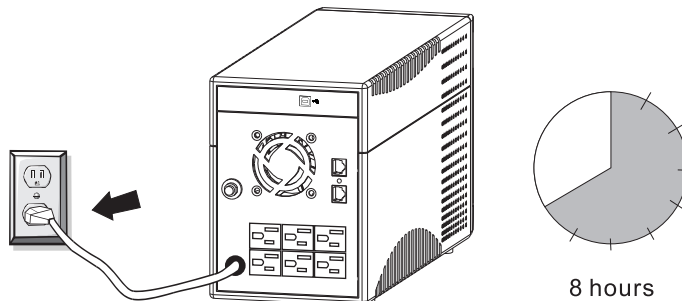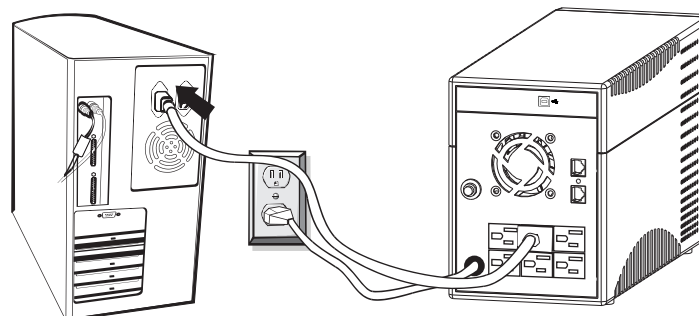
9 DC Start Function
DC Start Function enables UPS to be started up when AC utility power is not available and battery is fully charged. Just simply press the power switch to turn on the UPS.

10 Battery Replacement
Follow Chart 1 to Chart 3 to replace the battery. Disconnecting all sources of supply before battery replacement.

Step1: Disconnecting all sources of supply before battery replacement.
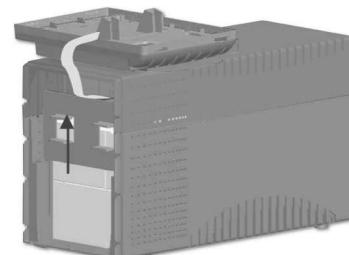
Chart 1

Step2: Remove the battery cover

Chart 2

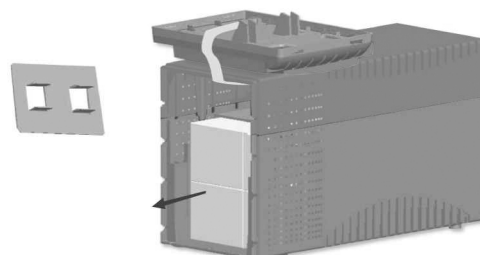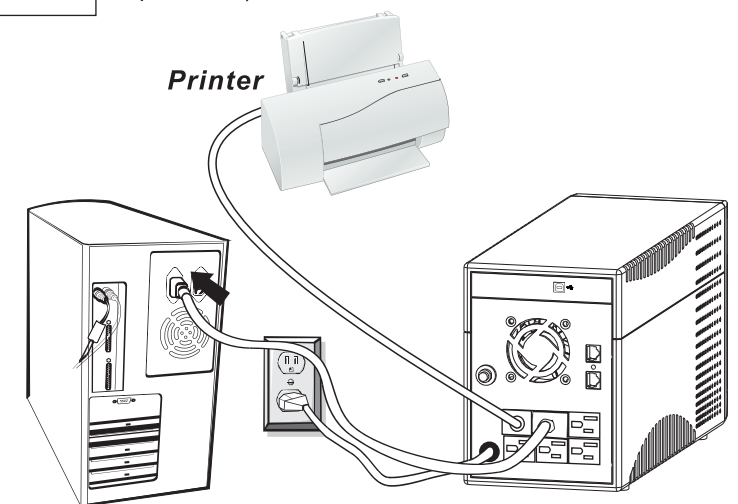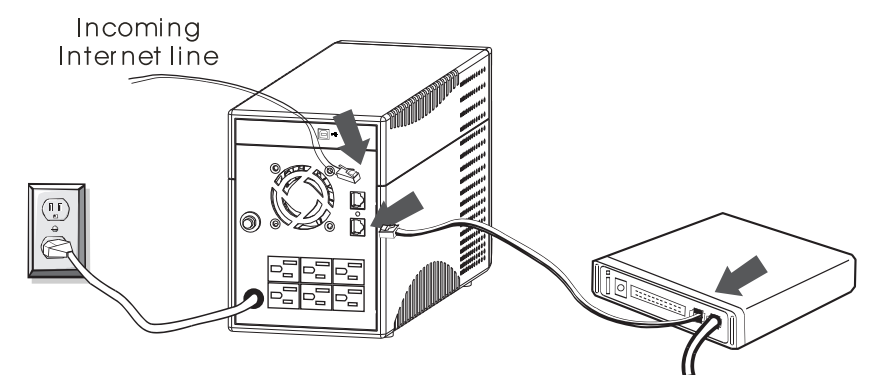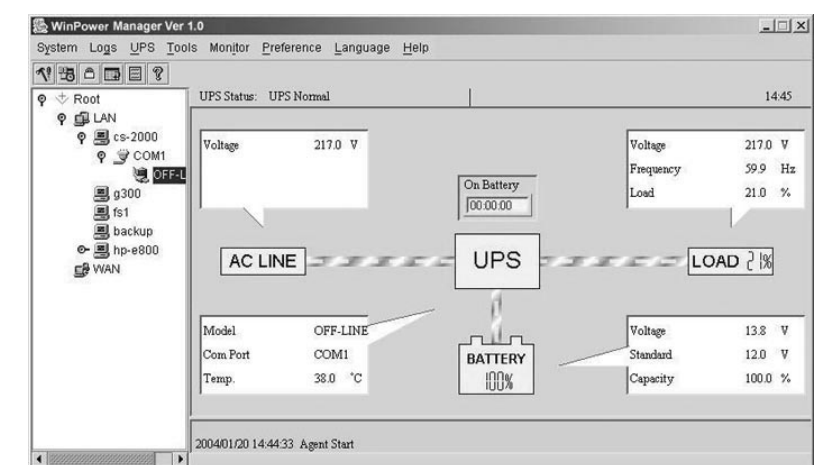Step 3: Gently extract the battery by disconnecting the wires connecting to the Blazer.

Chart 3

Be sure replaced the same type of the batteries and dispose of old batteries properly at an appropriate recycling facility.

Free Software Download
-- WinPower --

WinPower is a brand new UPS monitoring software, which provides user-friendly interface to monitor and control your UPS. This unique software provides safely auto shutdown for multi-computer systems while power failure. With this software, users can monitor and control any UPS on the same LAN no matter how far from the UPSs.

Installation procedure:

1. Go to the website:
   http://www.ups-software-download.com/winpower.htm
2. Choose the operation system you need and follow the instruction described on the website to download the software.
3. When downloading all required files from the internet, enter the serial No: 511C1-01220-0100-478DF2A to install the software.

When your computer restarts, the WinPower software will appear as a green plug icon located in the system tray, near the clock.