USER'S MANUAL 800L/1000L/1500L/1800L/2200L



This manual contains important safety instructions. Please follow all instructions during installation. Read this manual thoroughly before unpacking, installing or operating.

Caution: Risk of Electric Shock

- The UPS contains batteries. The output outlets may be electrically live even when the UPS is disconnected from the AC mains.
- The UPS contains potentially hazardous voltages. Do not open the units as there are no user serviceable parts. All maintenance and servicing should be performed by qualified service personnel.
- Risk of electric shock, Battery Circuit is not isolated from AC input, hazardous voltage may exist between battery terminals and ground. Test before servicing and use insulated tools.

NOTE: The UPS is designed to be for use with computer loads only.

Caution: Do not connect a laser printer to the UPS.

A laser printer draws significantly more power than other types of equipment and may overload the UPS.

SETUP

Inspect the UPS upon receipt. Notify the carrier and dealer if there is damage. The package is recyclable; save it for reuse or dispose of it properly.

Inspect accessories: Power cable 1PCS USER MANUAL 1PCS

Inspection

Avoid locations that are excessively humid, near water, near heat sources or in direct sunlight



Choose an installation location



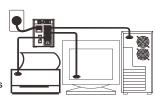
Step1: Connect the UPS to the

Connecting Equipment and Power to the UPS

AC mains. Step2: Connect the equipment to the UPS output outlets.

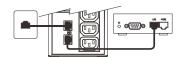
Step3: Switch on the AC Mains, follow by the UPS then the equipment last.

*Plug the UPS into the AC Mains to charge for 8 hours before using the UPS.



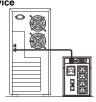
4 Connect Modem/ Phone / Network for Surge Protection (Optional)

- For modem/phone line protection, connect equipment to the RJ11 port using RJ11 cable.
- For surge protection, connect equipment to the RJ45 port using Ethernet/RJ45 cable.



Connect Interface Device

The UPS is equipped with two interface ports: a USB port (Standard) and a 9-pin RS232 port (Optional) allowing advanced communication network between the UPS and a computer (network).



Turn ON/OFF the UPS

Turn on the UPS: Press the UPS On/OFF Switch for approx. 3 seconds, then the Buzzer sounds twice, the UPS will start-up. Turn off the UPS: Press the UPS On/OFF Switch for approx. 3 seconds, then the Buzzer sounds wice, the UPS will shutdown.

Cold Start Function

When the UPS is OFF and no utility input power is present, use the "Cold Start" feature to apply power to the loads from UPS's battery. Press the "ON/OFF" switch until the UPS beeps.

Software Download and Installation

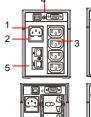
Please follow steps below to download and install monitoring software: 1. Go to the website http://www.ablerex.com.sg/downloads.html

- 2. Depending on the computer OS, select Emily software (for Win 7&8 OS, select Emily2) and click download.
- 3. Follow the on-screen instructions to install the software.
- 4. When the computer restarts, the monitoring software automatically search and connects to the UPS

800L / 1000L-LED FRONT PANEL (STANDARD) 1500L/1800L/2200L - LED Symbol LED Color Description/function Symbol LED Color Description/function FRONT PANEL (STANDARD) ധ N/A Turn-on/Turn-off Switch (l) N/A Turn-on/Turn-off Switch Lit: Line mode Green Flashing: Battery mode Lit: System malfunction ~ Lit: Line mode Red FÂ or abnormal Dim: Abnormal input Green (b) (b) voltage and frequency **C**-1 N/A Load N/A Battery Lit: Battery mode Yellow == Flashing: Battery Low 25% 50% 75% 100% Load Percentage/ Green Lit: System malfunction **Battery Capacity** Red FA or abnormal

800L/1000L REAR PANEL

- 1. AC Input Outlet
- 2. Fuse
- 3. Output Connector: 4x IEC Outlets or 3x Universal Outlets or 1x Schuko Outlet or
- 4x Thailand Outlets 4. USB (Standard) or
- RS232 (Optional) Modem/Network Surge protection (Optional)











AC Input Outlet

2 Fuse 3. Output Connector: 6x IEC Outlets or

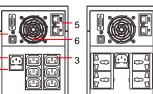


RS232 (Optional)

5 Modem/Network Surge Protection (Optional)

6. Fan

1500L/1800L/2200L REAR PANEL









REPLACING THE BATTER

Note: Once the battery is disconnected, the loads are not protected

- Note: Once the battery is disconnected, the local from power outages.

 1. Use an insulated philip screwdriver to remove the four screws located at the base of the UPS.

 2. Remove the front panel and top cover.

 3. Use an insulated philip screwdriver to remove the two screws from the battery holding plate. (for 1500L/1800L/2200L only)

 4. Disconnect the battery cable terminals before removing the battery from the UPS.

- from the UPS.
 Step1: Loosen the black cable from the negative (-) terminal.

- Connect the battery cables to the terminals of the new battery.

 Step1: Insert the black cable to the negative (-) terminal.

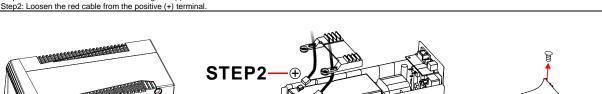
 Step2: Insert the red cable to the positive (+) terminal.

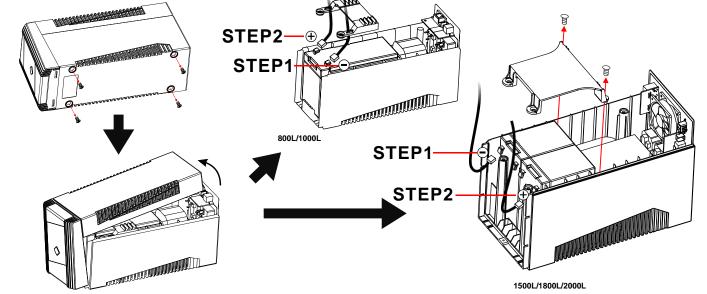
 Note: Small sparks at the battery connectors are normal during connection.
- Slide the battery into the UPS.

 Use an insulated philip screwdriver to fasten the two screws on the battery holding plate. (for 1500L/1800L/2200L only)

 Close the front panel and fasten the four screws located at the base of the UPS.

 Dispose off the old battery properly at an appropriate recycling facility.





TROUBLESHOOTING							
Refer to the steps below should the UPS fail to	Situation	Problem / Possible Causes	Solution				
Step 1: Is the AC Mains switch in the "ON" position? Step 2: Is the UPS plugged into the AC power supply? Step 3: Is the power supply within specified unit values? Step 4: Has the fuse gone in the mains plug? Step 5: Is the UPS overload? Step 6: Is the battery flat or defective?	NO LEDS display on the front	Battery voltage is low.	Charge the UPS at least 6 hours.				
		Battery is defective.	Replace the battery with the same capacity.				
		The UPS is not turned on.	Press the power switch again to turn on the UPS.				
	Alarm beeps continuously when the Utility is normal.	The UPS is overloaded.	Remove some loads/equipment first. The connected equipment exceeds the UPS specified 'capacity/load".				
	expected backup time.	The UPS is overloaded.	Remove some loads/equipment first. The connected equipment exceeds the UPS specified 'capacity/load'.				
		Battery voltage is too low.	Charge the UPS at least 6 hours.				
		Battery is defective.	Replace the battery with the same capacity.				
	The Utility is normal but LED is flashing.	Power cord is loose.	Reconnect the power cord properly.				

Description	Ablerex 800L / 1000	L SPECIFICATIONS	Ablerex 1500L / 1800L / 2200L SPECIFICATIONS					
Model	800L	1000L	1500L	1800L	22000L			
Capacity	800VA	1000VA	1500VA	1800VA	2200VA			
Input								
Voltage	220/230/240VAC							
Voltage Range	160~290Vac							
Output								
Voltage Regulation	+/- 10%							
Transfer Time	Typical 2-6ms, 10 ms max.							
Waveform	Simulated Sine Wave							
Battery								
Type & Number	12V/7Ah x 1	12V/9Ah x 1	12V/7Ah x 2	12V/7Ah x 2	12V/9Ah x 2			
Charging time	4-6 hours recover to 90% capacity							
Physical								
Dimension (WxHxD, mm)	100 x 140 x 292		148 x 198 x 315					
Net Weight (kg)	5	5.5	9	10.5	11.8			
Packaging Dimension (WxHxD, mm)	137 x 226 x 321		229 x 302 x 411					
Gross Weight (kg)	5.5	6	10	11.5	12.8			
Environment								
Humidity	0-90 % RH @ 0-40 C (non-condensing)							
Noise level	Less than 40 dB							
Safety								
Security certificate	CE							