Installation & Operation

■ 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 return it to the place of purchase.

■ 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.

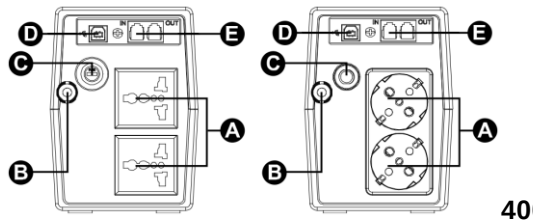
■ Plug in Equipment

- 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.

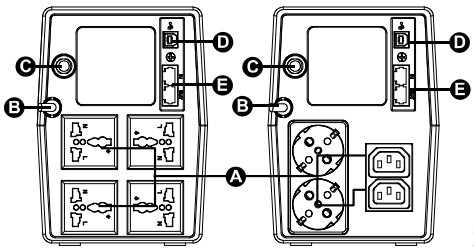
■ Turn On/Off the UPS

- Please transport the UPS system only in the original package to protect against shock and impact.

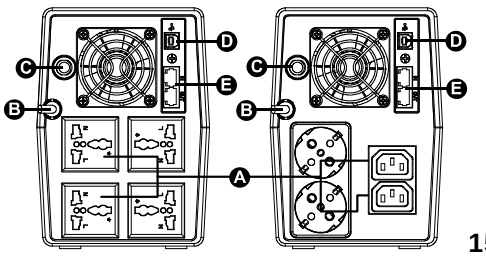
Rear Panel



400-800VA



1000VA

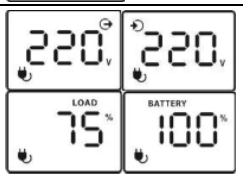
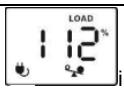


1500-2000VA

A: Outlets
B: AC input
C: Fuse/Breaker
D: USB port
E: Surge protection

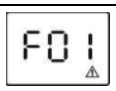
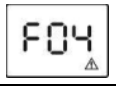
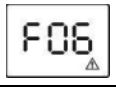
LCD Display

Operation Display

UPS mode	LCD	Description
UPS Power on		When UPS is powered on, it will enter this mode for 4 seconds.
AC Mode	 When AVR is functioning, icon will flash every second.	LCD information will be displayed in the following order when LCD is touched. 1.Output voltage 2.Input voltage 3.Load level 4.Battery capacity
Overload in AC mode	 icon will flash.	When overload occurs, alarm will beep every 0.5 second.
Battery Mode	 When battery level is low, icon will flash.	Alarm will beep every 10 seconds and LCD information will be displayed in the following order when LCD is touched. 1.Output voltage 2.Input voltage 3.Load level 4.Battery capacity
Overload in battery mode	 icon will flash.	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		Disconnect short-circuited loads and restart the UPS again.
Overload fault		Disconnect all output loads and restart the UPS again.
Overcharge		Call for service immediately.
Bad/severely discharged battery		Please replace the battery.
High output voltage fault		Call for service immediately.
Over-temperature		Call for service immediately.

If fault alarm occurs, please call for service immediately.

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Safety caution

- This UPS utilizes voltage that may be hazardous. Do not attempt to disassemble the unit. The unit contains no user replaceable parts. Only factory service personnel may perform repairs.
- This pluggable type A equipment with battery already installed by the supplier is operator installable and may be operated by laymen.
- The mains socket outlet that supplies the UPS shall be installed near the UPS and shall be easily accessible.
- 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 two-pole, 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.
- Internal battery voltage is 12VDC.Sealed, lead-acid, 6-cell battery.
- 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.
- 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.
- Do not open or mutilate the battery or batteries. Release electrolyte is harmful to the skin and eyes. It may be toxic.
- Attention, hazardous through electric shock. Also with dis-connection of this unit from the mains, hazardous voltage still may be accessible through supply from battery. The battery supply should be therefore disconnected in the plus and minus pole 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.

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.
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.

Specification

600VA/800VA

Model		iFP 600	iFP 800
Capacity		600VA/ 360W	800VA/ 480W
Input voltage	220/230/240 Vac		
Input Voltage Range	140-290 Vac		
Output Voltage Regulation	± 10%(bat mode)		
Transfer Time	Typical 2-6 ms		
Waveform	Simulated Sinewave		
Battery Type		12V/7Ah	12V/9Ah
Battery Number		1	1
Charging Time	4 hours recover to 90% capacity		
Dimension(mm)	300 x 101 x 142		
Net Weight (kgs)		4.25	4.9
Humidity	0-90% RH @ 0-40°C non-condensing)		
Noise Level	Less than 40dB		

*Specifications are subject to change without notice.

1000VA/1500VA/2000VA

Model	iFP 1000	iFP 1500	iFP 2000
Capacity	1000VA/ 600W	1500VA/ 900W	2000VA/ 1200W
Input voltage	220/230/240 Vac		
Input Voltage Range	140-290 Vac		
Output Voltage Regulation	± 10%(bat mode)		
Transfer Time	Typical 2-6 ms		
Waveform	Simulated Sinewave		
Battery Type	12V/7Ah	12V/9Ah	12V/9Ah
Battery Number	2	2	2
Charging Time	4-6 hours recover to 90% capacity		
Dimension(mm)	320 x 130 x 182		
Net Weight (kgs)	8.2	10.4	11
Humidity	0-90% RH @ 0-40°C non-condensing)		
Noise Level	Less than 40dB		

*Specifications are subject to change without notice.

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