






## LED Indicators & Audible Alarms

There are three indicators (Green/Red/Yellow) in the front panel of the unit.

Status	LCD	Indicator	Alarm
Power on: when the unit is powered on, it will enter this mode for 3 seconds.		Three LEDs are on for few seconds.	Off
Standby Mode: the bypass output and charger are turn on.		Floating charging: Green LED steady flash every 10 seconds Constant charging mode: Green LED quickly flashing.	Off
Line Mode		Floating charging: Green LED on. Constant charging mode: Green LED flashing.	Off
	 icon flashes when AVR is working.		
Overcharging in Line Mode		Red LED flashes every four seconds.	Continuously sounding
Battery Mode		Yellow LED on.	Off
Low battery in Battery Mode		Yellow LED flashes every second.	Sounding every 2 seconds
	 and  icons will flash.		
Overload: when connected load is over 110%	AC mode 	Red LED flashes every 0.5 second.	Sounding every 0.5 second
	Battery Mode 		
	 and  icons will flash.		
Fault Mode		Red LED on.	Continuously sounding

## Charging Current Selector

There are two charging current selections: 10A and 20A. Simply switch this selector according to silk printing on the back panel.

## 7. Trouble Shooting

Use the table below to solve minor problems.

Problem	Possible Cause	Solutions
Utility power is normal but the unit is in battery mode.	AC input power cord is not connected well.	Check AC input power connection.
	Input breaker is activated.	Reset the input breaker.
When power fails, the backup time is shorten.	The unit is overload.	Remove some non-critical loads.
	Battery voltage is too low.	Charge the unit at least 8 hours.
	Battery capacity is not full even after charge the unit for at least 8 hours.	Check the date code of the battery. If the batteries are too old, replace the batteries.
No LED display on the front panel when the utility power is normal.	The unit is not turned on.	Press power switch to turn on the unit.
	Battery is not connected well.	Check the external battery cable and terminal. Make sure all the battery connections to the unit are all correct.
	Battery defect.	Replace the batteries.
	Battery voltage is too low.	Charge the unit at least 8 hours.
The unit is in fault and restart circularly.	The unit is overload.	Verify that the load matches the capability specified in the specification.
	Output is short circuited.	Check the loads and remove loads which cause short circuit.

If there is any abnormal situations occur, which doesn't list above, please call the service people immediately for professional examine.