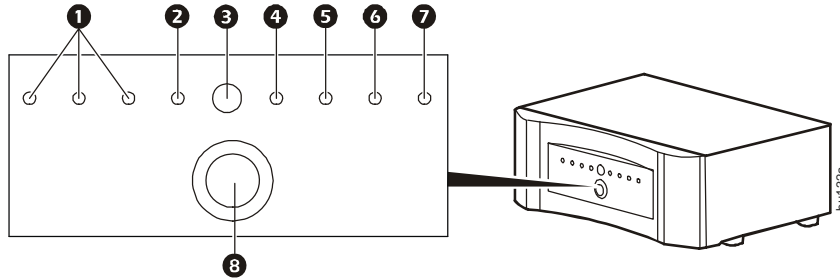


LED Status and Troubleshooting Guide BI850SINE-IN



- 1** INVERTER LOAD LEDS
 - 50%
 - 75%
 - 100%

- 2** FAULT LED

- 3** START/MUTE/TEST SWITCH AND LED

- 4** ON MAINS LED

- 5** ON BATTERY LED

- 6** CHARGING LED

- 7** CHECK BATTERY LED

- 8** HOME/AWAY SWITCH

LED Illuminated



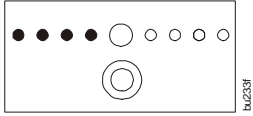
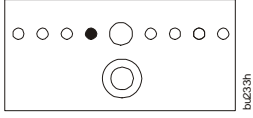
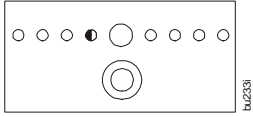
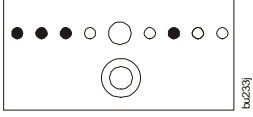
LED Off



LED Flashing



Status	LED	Beeper	Description and Troubleshooting
ON LINE (Boost) Home mode*	 <small>buz33a</small>	No sound	The UPS is in On Mains mode and the battery is being charged. The UPS will switch to battery power if utility power fails.
ON LINE (Float) Home mode*	 <small>buz33c</small>	No sound	The UPS is in On Mains mode and the battery is fully charged. The UPS will switch to battery power if utility power fails.
ON LINE Check Battery Home mode*	 <small>buz33d</small>	Chirp	The UPS is in On Mains mode and the battery may not be charging to its full capacity. Troubleshooting: Cause - The battery may have a shorted cell, low electrolyte level or is near the end of its life. Solution - The battery has to be checked or serviced.
FAULT ON BATTERY Overload	 <small>buz33e</small>	Beeps for 10 seconds after each overload event.	While operating in On Battery mode, an overload condition occurs and the circuit breaker trips. The UPS will automatically attempt to restart. If the overload condition persists the UPS will automatically attempt to restart three times and then it will shut down. Troubleshooting: Disconnect or turn off non-essential equipment connected to the UPS. Toggle the HOME/AWAY switch to restart the UPS.

Status	LED	Beeper	Description and Troubleshooting
FAULT Battery overload		No sound	The UPS has shutdown due to an overload after three restarts. The UPS will NOT deliver power in this state. Troubleshooting: Disconnect or turn off non-essential equipment connected to the UPS. Toggle the HOME/AWAY switch to restart the UPS.
FAULT Short circuit / Heavy overload / Mains supply connected at output		Beep for 10 seconds	The UPS is in FAULT state, due to a short circuit at output or the UPS has been subjected to heavy (>175%) load or the mains supply has been connected at output. The UPS will NOT deliver power in this state. Troubleshooting: 1. Check for any short circuit at the UPS output terminals. 2. Check if the utility power supply is connected to UPS output terminals. 3. Disconnect or turn-off some of the equipment connected to the UPS. 4. Toggle the HOME/AWAY switch to restart the UPS. If indication persists, contact APC customer service.
FAULT ON BATTERY High temperature warning		Constant tone	The UPS is in FAULT state due to high temperature. The UPS will NOT deliver the power in this state. Troubleshooting: Cause - The UPS is kept in closed environment, like cupboard, etc. The fan UPS provided on the rear panel is blocked. Solution - Place the UPS in a ventilated area. Toggle the HOME/AWAY switch to restart the UPS.
ON BATTERY Low battery warning		Constant beeping	The UPS is in On Battery mode. This alarm status may occur at any percentage of load and only the respective LED indication will be on. Troubleshooting: Charge the battery as soon as possible.

***The status indicated is when the HOME/AWAY switch is in Home position. For Away position the same status is displayed with the addition of an illuminated START/MUTE/TEST SWITCH LED (E).**

Customer support and warranty information is available at the APC Web site, www.apc.com.