

APC Home-UPS: BI850SINE

Keeps your equipment running for hours when the power goes out.

APC's BI850SINE Home-UPS is a convenient way to keep your lights, fans and sensitive electronics running during power cuts. Eliminate the inconvenience that a loss of mains power brings, and continue your daily routine without disruption. Designed specifically for India's harsh power conditions, the BI850SINE's state-of-the-art circuitry delivers backup power instantly, and it also recharges your battery faster, so you get the longest possible battery life. For a complete system, connect the Home-UPS to an APC battery and trolley (both sold separately) and enjoy the security of uninterrupted power for your home or business.



Product Features:

- 1 Sine Wave Output** - eliminates humming and heat generated when powering tubelights and fans.
- 2 LED Indicators** – provide easy-to-read status of your power conditions, Home-UPS and battery.
- 3 Home/Away Switch** - keeps your battery charged when you're away, and prevents needless discharges.
- 4 Intelligent Battery Charging** - Microprocessor controlled, 3-stage regulated charging ensures the fastest recharge times without decreasing battery life.
- 5 Wide Input Voltage Window** - saves your battery power for when you really need it - during power cuts!
- 6 UPS/INVERTER Switch** - lets you power computer systems *as well* as lights, fans and televisions.
- 7 Charger Output Selector** - matches the battery charger output to your specific battery, ensuring the longest possible battery life by preventing under and over-charging.
- 8 Battery Input Fuses** - protect against installation mishaps.
- 9 Advanced Safety Features** - safeguard your Home-UPS and battery.
- 10 Push Button Circuit Breaker** - provides easy recovery from an overload while on mains power.
- 11 Generator Compatibility** - allows you to recharge your battery while on generator power.

BI850SINE Home-UPS Specifications

Output	
Wave form	Sine wave
Power rating (on mains)	850VA at 230 Vac
Output voltage	On mains: In UPS mode: 190-260 Vac (mains voltage is passed to load) In INVERTER mode: 100-290 Vac (mains voltage is passed to load) On battery: 195 - 230 Vac depending on load
Output frequency	On mains: 45-53 Hz (mains frequency is passed to load) On battery: 50 Hz +/-1 Hz
Max output current on mains	3.69 A
Output connection	15A India style socket
Input	
Input voltage/frequency, nominal	230V / 47-53 Hz
Voltage window for "on mains" operation	In INVERTER mode: 100-290 Vac In UPS mode: 190-260 Vac
Max. input voltage without damage	300 Vac
Input connections	To mains: 1.8 m hardwired cord with stripped leads To battery: 1.0 m hardwired cables with crimped terminal lugs
User Interface/Controls	
LED status indicators	Inverter load % (50, 75, 100%), Fault, On mains, On battery, Charging, Check battery
Controls	Home/Away switch, Start/Test/Mute, UPS/INVERTER switch, Charger output selector
Battery Charger	
Type	Microprocessor controlled, 3-stage, regulated charging
Output	Selectable: 8A, 10A, 13A, 15A
Typical recharge time	10-12 hrs
Physical	
Unit dimensions (H x W x D)	14.0 x 35.0 x 26.5 cm
Unit weight	11 kg
Battery Compatibility	
Compatible battery types	Flooded batteries (flat plate and tubular)
Compatible battery sizes	80Ah-180Ah
Protection	
Overload	On mains: thermal circuit breaker with reset button On battery: shutdown after 3 automatic reset attempts
Reverse battery polarity	Fuses on rear panel
Other	Short circuit protection, Low battery voltage shutdown (11.1 Vdc) Line neutral reverse protection, Over temp protection,

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