



ELSONIC® NITESUN® SOLAR LANTERNS



ELSONIC® NITESUN® Solar Lantern with built-in Mobile Charger

Extraordinary 5 Hour, continuous, bright 360 Degrees light output through 18-Watt CFL Lamp. Provided with dual-charging options. Normally supplied with a 5-Watt Solar Panel to charge battery under Sunlight in 28 to 32 hours. For faster charging in half the time, i.e. from 14 to 16 hours, a 10 Watt Solar Panel may be used. For still faster charging in 7 to 8 hours, a 20 Watt Solar Panel may be connected.

The built-in facility with solar regulator and charge controller from AC Power source is thyristor controlled to ensure pulsed fast-charging with dynamic cut-off from battery overcharge and excess discharge. System will automatically choose Solar charge if both AC power and Solar Power are connected and there is sufficient sunlight.

Standard Technical Features:-

- Built-in 12 Volt, 7 AH valve-regulated SMF battery for maintenance-free use up to 4 years
- Dusk-Dawn sensor-triggered switch, automatically switches on lamp at night & off during the day
- Mobile Charger socket to connect adapter that in turn connects to any car mobile charger
- Mains Utility input at 220 Volts, 50 Hz. A.C. (or optional 110 Volts, 60 Hz. A. C.-North America)
- Solar Panel input 5 Watt, 15% Efficiency Polycrystalline (or optional 10 Watt/20 Watt-faster charging)
- Fuses- 1 Amp 5 x 20 mm Glass - Red Holder for 220 volt Operation (2 A for 110 Volt)
1 Amp 5 x 20 mm Glass – Black Holder (1 A for 110 Volts)

All control features including automatic overcharge shut-off & excess discharge shut-off are indicated through 5 LED status indicators as follows:-

- Red LED shows AC-Power battery-charge status. When fully charged the red LED shuts off or flashes when the battery has almost reached full charge status.
- Yellow LED shows Solar-Power battery-charge status. When fully charged the yellow LED shuts off or flashes when the battery has almost reached full charge status.
- Orange LED shows AC-Utility Power connected status.
- Green LED shows automatic lamp action when external utility power fails.
- Blue LED shows Battery low status. The excess battery discharge cut-off circuit is activated thereby preventing further use till after re-charge through solar energy or mains utility.