



Technical Specifications

The Suntoy Solar Top™ is primarily a reading light and portable lantern designed to outperform and replace candles and paraffin lights. It's a fun and sustainable, alternative and affordable light supply.

OVERVIEW

DESCRIPTION: The Suntoy Solar Top™ is an eco-friendly solar powered light that provides "Sunshine on a bottle". The solar cells collect sunlight during the day, while four LED's provide a comfortable light during the night. Ideally suited for reading, but equally versatile for many other uses. A piece of African beaded jewellery invites you to play!

OPERATION: Flip the magnet to turn light off and on.

SWITCH: Make sure the magnet hits the white dot on the solar panel.

Unique magnetic switch: no moving parts, no wear and tear.

FIRE HAZARD: Cannot start a fire, even if mechanically damaged.

BATTERY & FEATURES

BATTERY: 1 x 3.7V 600mAh, 2.22W/hr flat cell aluminium enclosed Li-ion battery, when fully charged provides a minimum 12 hours of light.

Over and under voltage battery protection to extend battery life.

BATTERY PROTECTION FEATURE: Battery short circuit and over temperature protection.

BATTERY INDICATOR: Optional fifth LED, flashes 5 times when full, once when empty.

DAY/NIGHT FEATURE: Optional automatic turn on after dusk and off at dawn.

LOAD SHEDDING FEATURE: Optional load shedding feature turns on the light for 15 seconds when the lights suddenly go off for example during a power-outage.

Works equally well as a "good night" light.

RECHARGE

SOLAR PANEL: 1 x circular solar PV panel of 4.5V, 350mA, mono-crystalline.

CHARGING SOLAR: Approximately 1 hour of runtime for every hour in direct sunlight.

The unit will only trickle charge in shady conditions, enough to keep it fully charged at all times but will take a long time to charge.

CHARGING USB: Approximately 6 hours to a full charge, charger can be left plugged in indefinitely.

LIGHT & LED

ELECTRONICS: The unit is microprocessor controlled, enabling intelligent charge, lighting control and battery management.

POWER OUTPUT: 120mW electrical power.

Electrical conversion efficiency >80%

GENERAL

STORAGE: Fully charge before storing. Store between -10 °C and +40 °C

Avoid storage in the dark for longer than 4 months.

Recharge at your earliest convenience to prolong battery life.

LIFE CYCLE: The unit's lifetime is depended on the battery life. The batteries are rated to give 500 charge/discharge cycles or 18 months of continuous use.

GUARANTEE PERIOD: Each unit has a unique serial number determining date of manufacture. Unit is guaranteed for 1 year from date of manufacture.

DIMENSIONS: The Suntoy Solar Top is 93mm in diameter including wire mechanism and 35mm in height.

WEIGHT: Total Weight - Packaging, Consol Jar Z-fold and bead chain: 126g
Suntoy Solar Top™: 83g
Battery: 19.3g