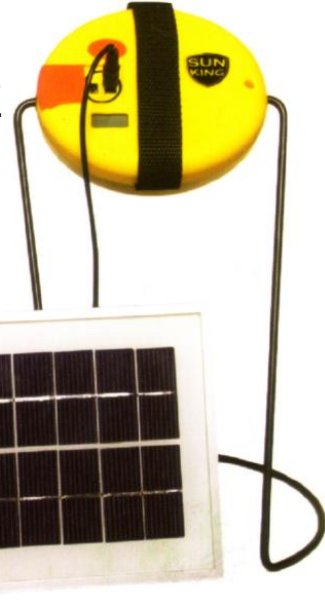




# SUN KING Pro™

The world's longest-lasting solar light *with phone charger*

**10x** BRIGHTER THAN PARAFFIN  
**30 HOURS** OF LIGHT ON ONE DAY'S CHARGE  
**5 YEAR** BATTERY LIFE LFP TECHNOLOGY



### Light runtime after one sunny day of solar charging:

		After Charging 1 mobile phone fully	Used only for light
Bed Light Mode	20 Lumens	15 Hours	30 Hours
Normal Power	40 Lumens	6 Hours	12 Hours
Turbo Power	100 Lumens	3 Hours	6 Hours

Lighting SA's Sun King Pro™ defines the industry's gold standard in affordable solar-powered lanterns with mobile phone charging capability.

Sun King Pro™ features the industry's first Lithium Ferro-Phosphate (LFP) battery, a breakthrough technology that delivers an unprecedented five years of daily performance (2000 cycles) even in the most demanding rural environments.

## Sun King Pro™ Technical Specifications

<b>LEDs</b>	Single 1-watt power LED with heat sink. Minimum luminous flux: 120 lumens. 10-year life (15000 hours).
<b>Battery</b>	Lithium Ferro-Phosphate (LFP) 6.6V, 1450mAh, 1800 cycles at 100% depth of discharge. Five years of daily use.
<b>Solar Panel</b>	2.5Wp, 7.8V polycrystalline solar module with 5-m wire. Industrial-grade glass/aluminium frame.
<b>Enclosure</b>	Shatter-proof polycarbonate and ABS. O-ring water sealed shell with additional sliding cover and rubber gasket to protect electrical charging ports.
<b>LCD Screen</b>	Battery level indicator: While in use, LCD screen displays the number of hours of light remaining in any given mode. Charge indicator: Displays charging effectiveness on a scale of 1 to 5 to help optimise panel placement.

**Electronics**  
 Yet another industry first: Multi-cell battery cell balancing for extended battery life.  
 Microprocessor-based active charge controller prevents over-charging or deep discharge of battery.  
 Smart battery management technology automatically switches out of high power modes when battery is running low, giving users 5 additional hours of low power light.

### + Bright Home Lighting

With its 100-lumen, warm temperature LED light, Sun King Pro™ is an ideal light for the entire family: It can be hung above to light a room, placed on a desk for reading or easily carried by hand. Sun King Pro's™ light output is on a par with a CFL bulb, without the cost of infrastructure and the outages of grid-based solutions.

- ❖ 100 lumen, warm-temperature light output
- ❖ Flexible mount: Adjustable lantern stand, hand-carry strap or ceiling mount options



### + Smart Phone Charging

Sun King Pro™ is equipped with a universal 5-volt nominal power output port and six phone adapters, enabling users to charge almost any mobile phone day or night (lantern to phone).

- ❖ Power output can drive any standard 5-volt accessory
  - ❖ Day or night mobile phone charging
- ❖ Compatible with virtually all mobile phones utilising six included, widely-used phone charging pin adapters





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## + Real-Time LCD Display

Sun King Pro's™ LCD display provides a live estimate of the number of hours and minutes of light runtime remaining, allowing users to easily balance lighting and phone charging needs based on the amount of battery power available.



## Innovative Charge Power Feedback

Poor charge performance due to improper panel placement remains the biggest source of disappointment for solar home lighting customers. When users charge the Sun King Pro™, the LCD display indicates the solar charging power instantly, on a scale of 1 to 5, allowing even solar novices to easily understand and optimise panel placement, becoming masters of their technology! This feature drastically improves user satisfaction.

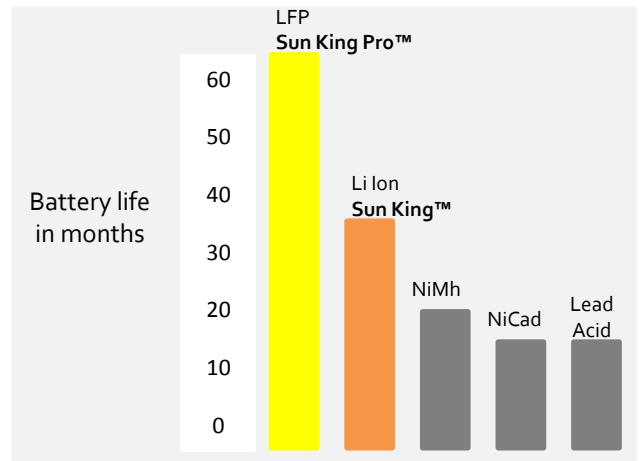


## + Breakthrough Longevity

Drop it, stomp it or splash it. From its water-sealed almost unbreakable polycarbonate shell, to its dust-cover protected charging ports, its industrial-grade aluminium framed solar panel and durable steel stand, Sun King Pro™ is built to last in tough environments. Its longer-lasting quality tested components set the gold standard for product lifetime.

### Revolutionary Batteries

Sun King Pro™ uses a revolutionary Lithium Ferro-Phosphate (LFP) battery. Efficient, stable and ultra long-lasting, LFP is far superior to even lithium-ion batteries (which themselves out-performed the old NiMH, NiCad and lead-acid batteries), making it the world's longest-lasting solar lantern.



### Unbeatable Solar Panel Durability

Unlike other products in its price range, Sun King Pro™ uses a detachable solar panel with a repairable junction box, and a five-meter cable. The 2.5 watt aluminium framed industrial-grade glass protected solar panel is far more durable than alternatives based on polycarbonate or epoxy encapsulation, both of which degrade quickly in harsh environments.

## + Happy users, around the world

The Sun King™ family of products deliver immediate quality of life impact. Their high production quality and attention to durability mean users enjoy reliable performance for years and years, hassle-free.

Around the world, the Sun King™ family has seen its users experience healthier, happier and more productive lives.



### Enquiries and Sponsorship:

For enquiries and to make a difference by joining our sponsorship initiative please send us an email on the address below or call:  
**+27(0)825707675**