

SunBell 80

Light and charging



Technical specifications

Key features

Solar charging
Light modes: Low - med - high
8 functions
Integrated USB charger
Serial number
PAYG (optional)

Key specifications

1.8 W 5 V solar panel
Solar panel type: monocrystalline
7.5 Wh Li-Ion NMC battery (2,200 mAh at 3.7 V)
4+ year lifespan (1,500 charge cycles) Advanced circuit protection
IP64

Smart features

Dynamic LED charge rate indication to help optimize solar panel placement
Low battery alert and auto-dim down function
Emergency strobe light
Smart light setting control

Full battery run time

8+ hours at 150 lumen
30+ hours at 20 lumen
120+ hours at 5 lumen

Solar charging (estimated)

 12 h+

 15 h+

Lighting

3 Samsung LEDs
LED lifespan: 50,000 hours+
Light distribution: 90–360 degrees (depending on use)
Light color: White (Around 5100 Kelvin)
95-98% lumen output after 6,000 hours
Color Rendering Index: 83

Battery & power

Battery type: Li-ion NMC
Battery capacity: 7.5 Wh (2,200 mAh at 3.7 V) @ 92% DoD
Battery lifespan: 4+ year (1,500 charge cycles)
Solar panel type: monocrystalline
Solar panel output: 1.8 W \pm 5% at 5 V
Voc= 6.25V, Isc=0.350 A
MPPT technology for optimized charge efficiency
Transformation efficiency is 19 % \pm 2%
Normal solar charge time: 7 h+
USB charge time: 2 hours
3 m retractable solar cable

Device charging

USB port (5 V 500 mA)
Compatible with most smartphones

Materials & durability

Drop-proof and UV-stable polycarbonate & ABS casing
Steel gooseneck
Easily replaceable battery
Battery protection: Self discharge, deep discharge, reverse polarity, trickle charge

Size & weight

Box dimensions (LxWxH): 15 x 15 x 16 cm
Total weight in box: 700 g

Warranty

Standard 2 years warranty

Certifications

CE
IP64
Lighting Global Quality Standards/
Verasol

Box content

Light & battery unit
Lamp shade
Solar panel with 4 m retractable cable
User manual
Octopus charging cable (micro-USB and barrel jack)