

SM100 SOLAR LIGHT DATASHEET

Credit:
Aluwani Foundation

SM100 is an affordable, certified, entry-level solar light. It combines a compact, versatile design with a long-lasting lithium-ion battery creating a multi-functional light that meets the basic lighting needs of families living off the electric grid.

SM100 Solar Light is run under PROINSO's CSR initiative - Solar Energy Solidarity

PRODUCT BENEFITS

- ✓ the most affordable solar light in the world
- ✓ reduced risk of respiratory illness from kerosene lamps
- ✓ extended child study time (after dark)
- ✓ building communities by bringing people together
- ✓ helping reduce global warming (alternative to fossil fuels)

PRECISION DESIGN

The solar side of the SM100 is curved to mirror the shape of a forehead, improving comfort when used as a head torch. The solar panel is also recessed, protecting it from impact if the light is accidentally dropped.

MULTI-FUNCTIONAL FLEXIBLE USE

The SM100 can be used as a traditional desk light or hung on the wall. It can also be detached from the stand and used as a torch. The slots in the casing of the SM100 enable it to be worn as a head torch for hands-free use.

Credit: Aluwani Foundation

SM100 SOLAR LIGHT powered by YINGLI SOLAR

PROINSO

PROINSO is a global leader in the solar energy market with business units in distribution and integration, technology and project development services. We offer a full-service portfolio for solar projects of all scales including: procurement, engineering, project development, finance and construction. PROINSO's Qualified Installer Network is our go-to workforce for installation and O&M services; counting over 2,500 certified solar installers.



ABOUT YINGLI SOLAR

Yingli Solar makes solar power possible for communities everywhere by using our global manufacturing and logistics expertise to address unique local energy challenges. Yingli Solar is one of the largest module manufacturers in the world. Yingli has shipped over 68 million panels (17GW) to 90 countries and is listed on the New York Stock Exchange.





Credits: Patrick Bentley / SolarAid

TECHNICAL SPECIFICATIONS

LED LIGHTING	0.5W white LED providing 6 hours light
BRIGHTNESS	18 lumen (2 times brighter than kerosene)
BATTERY	Durable 3.2 V, 300 mAh LiFePO4 battery
SOLAR PANEL	Integrated 4 V, 50 mA polycrystalline solar panel
MATERIALS & DURABILITY	UV resistant ABS casing, Flame retardant plastic, Water resistant
SIZE & WEIGHT	165 x 105 x 74mm (with stand) 143.5 x 105 x 74mm (with stand + tilted down)
WEIGHT	122g (incl. packaging)
INCLUDED WITH EACH LIGHT LED	LED light with integrated solar panel Multifunctional metal stand User instructions with warranty card Transparent PE-PP bag
QUALITY CERTIFICATIONS	CE Certified, PVoC certified
WARRANTY	1 year
PACKAGING	24 lights per box



ABOUT PROINSO SOLAR ENERGY SOLIDARITY

At PROINSO, we believe solar is becoming central to powering our homes and businesses. We aim to be at the front of this energy revolution. Solar Energy Solidarity started in 2011 as a solidarity initiative, carried out by PROINSO, to embrace corporate social responsibility and commit to providing off-grid communities with the technical tools to use the sun as a source of energy. Six years after launching, Solar Energy Solidarity is aligning with the UN 2030 Agenda for Sustainable Development and Sustainable Development Goals. This aims to create a tangible and measurable impact in tackling youth unemployment in underprivileged communities, promoting social entrepreneurship with a focus on solar.

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