

# Solar Lantern

S30  
d.light design

Verify online:

<https://data.verasol.org/products/sek/https://data.verasol.org/products/sek/dl-s30>  
Valid until: May 31 2023

Results based on test procedures detailed in IEC TS 62257-9-5



Meets the Lighting Global Pico-PV Quality Standards



Light point(s)

Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects.

## PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	Total light output (lumens)
High	1 LED on , 0.43 W power	3.2 hours	60 lumens

Available daily electrical energy (Wh/day) 1.4

Performance measure	Brightness setting: High
Lighting full battery run time (hours)	3.5
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	190

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
LED	1	2	High	60	150	83	5700	Omnidirectional	99%

\* Lumen efficacy is the power consumption at a light point during the light output test.

\*\* Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

\*\*\* Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

\*\*\*\* Percent of the original light output that remains after 2,000 hours of run time

## SPECIAL FEATURES

Product Housing	★	UV Resistant Plastic
Grid Charging	★	Grid charging via a Nokia mobile charging kit (not included)

## DURABILITY

Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Physical ingress protection	
Level of water protection	Main Unit with Integrated PV Module	Has protection from frequent rain; met with IPX1 and an appropriate warning label
	PV module	Has protection from permanent outdoor exposure

## SOLAR DETAILS

PV module type	Monocrystalline silicon
PV maximum power	0.33 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	IFR 14500
Battery capacity	0.45 Ah
Battery nominal voltage	3.2 V
Battery status indication	one indicator for charging
MARKS AND CERTIFICATIONS	
Factory certification	ISO 9001:2015; ISO 14001:2015
PRODUCT DETAILS	
Manufacturer name	d.light design
Product name	Solar Lantern
Product model / ID number	S30
Contact information	testing@dlight.com
Website	www.dlight.com
Co-brand of	-
Dimensions (entire product in package)	9.9 x 20.7 x 9.8 cm
Mass	265 g
SSS INFORMATION	
Specs sheet expiration date	May 31 2023
Quality standards framework version	2021
Revision	2021.05