

# SM100 Solar Light

SM100

Namene Solar Lights Limited

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

Verify online:

<https://data.verasol.org/products/sek/yl-sm100>

Valid until: March 31, 2023

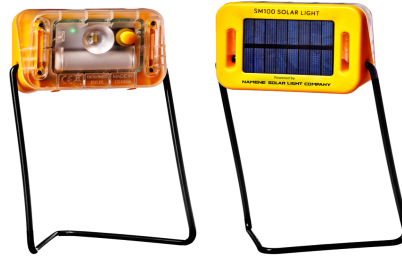


Meets the Lighting Global Solar Home System Kit Quality Standards



Light point(s)

Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system.

## 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	One LED on the brightest setting	5.1 hours	34 lumens
Low	One LED on the lowest setting	16 hours	13 lumens

Available daily electrical energy (Wh/day) 1

Performance measure	Brightness setting: High
Lighting full battery run time (hours)	8.8
Total lighting service (lumen-hours/solar-day) <small>(includes the both main lighting unit and any lights with internal batteries included with the product)</small>	170

## LIGHTING DETAILS


Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Solar Light	1	2	High	34	160	82	5112	Wide	101%
			Low	11		74	5100		

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

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

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

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES		
<b>Metal Stand</b>		<b>Stand can be used to hold or hang the lantern</b>
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests	
Level of water protection	Main Lighting Unit	Has protection from frequent rain; met IPX4
SOLAR DETAILS		
PV module type	Polycrystalline silicon	
PV maximum power	0.28 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.	
Battery chemistry	Lithium iron phosphate	
Battery package type	AA (HR6/14500)	
Battery capacity	0.49 Ah	
Battery nominal voltage	3.2 V	
Battery status indication	When the light is being charged, the indicator will turn green.	
PRODUCT DETAILS		
Manufacturer name	Namene Solar Lights Limited	
Product name	SM100 Solar Light	
Product model / ID number	SM100	
Contact information	massimo.lisanti@namenensolar.com	
Website	www.namenensolar.com	
Dimensions (entire product in package)	9 x 9 x 3 cm	
Mass	125 g	
SSS INFORMATION		
Specs sheet expiration date	March 31, 2023	
Revision	2021.09	