

SM100 Solar Light

SM100
Namene Solar Lights Limited

Verify online:
<https://data.verasol.org/products/sek/yl-sm100>
Valid until: February 29, 2024

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



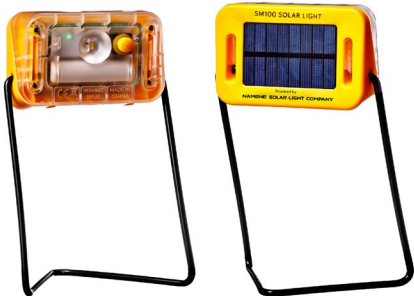
Meets the Lighting Global Solar Home System Kit Quality Standards

1

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 ² /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)
(includes the both main lighting unit and any lights with internal batteries included with the product)

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		

^e Lumen efficacy is the power consumption at a light point during the light output test.
^f Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.
^g Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)
^h Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES		
Metal Stand		Stand can be used to hold or hang the lantern
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		February 29, 2024
Revision		2023.11