

SM200 Solar Light

SM200

Namene Solar Lights Limited

Verify online:

<https://data.verasol.org/products/sek/yl-sm200>

Valid until: October 31, 2023

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

1

Light point



Plug-and-play



WARRANTY INFORMATION

2-year warranty that covers entire product.

PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	Total light output (lumens)
Brightest	1 LED on "Brightest" setting, 0.34 W power	3.4 hours	47 lumens
Brighter	1 LED on "Brighter" setting, 0.22 W power	5.2 hours	31 lumens
Bright	1 LED on "Bright" setting, 0.092 W power	12.5 hours	13 lumens

Available daily electrical energy (Wh/day)	1
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Performance measure	Brightness setting: Brightest
Lighting full battery run time (hours)	5.5
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	160

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Integrated lamp	1	3	Brightest	47	140	81	3900	Wide	102%

* 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, Physical ingress protection	
Level of water protection	Main Unit with Integrated PV Module	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.
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Battery chemistry	Lithium iron phosphate
Specific Li-ion battery chemistry	lithium iron phosphate
Battery package type	AA (HR6/14500)
Battery capacity	0.5 Ah
Battery nominal voltage	3.2 V
Battery status indication	One indicator for battery level and one indicator for PV charging level.

MARKS AND CERTIFICATIONS

Factory certification	ISO 9001:2015
Safety certification	IEC/EN 60598-1 and IEC/EN 60598-2

PRODUCT DETAILS

Manufacturer name	Namene Solar Lights Limited
Product name	SM200 Solar Light
Product model / ID number	SM200
Contact information	massimo.lisanti@namenensolar.com
Website	www.namenensolar.com
Dimensions (entire product in package)	9 x 9 x 3 cm
Mass (including packaging)	125 g

SSS INFORMATION

Specs sheet expiration date	October 31, 2023
Revision	2023.01