

Solar Lantern- S200

S200

d.light design

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/dl-s200

Valid until: August 31, 2021



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

1

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
	Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	1 light point on high totaling 210 lumens and 1.5 W	5.4 hours	2.1 hours
sold separately	Mobile phone	Smart phone (5.7 Wh battery)	0.9 full charge(s)	0.5 full charge(s)

Available daily electrical energy^c (Wh/day)

6.6

Performance measure

Brightness setting: high

Lighting full battery run time^d for main unit (hours)

5.6

Total lighting service (lumen-hours/solar-day)

1100

(includes the both main lighting unit and any auxiliary lights included with the product)

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^b Without any other loads used during the run time

^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

^d Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated Light	1	3	high	210	140	84	5700	Wide	100%

^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

PORTS

1

USB 2.0 type A

Mobile phones can be charged. Adapters are included.

DURABILITY

Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection.	
Level of water protection	Main Lighting Unit	has protection from occasional rain; met with appropriate warning label
	PV module	has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	2 watts

BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	2.4 Ah
Battery nominal voltage	3.7 V
Battery status indication	One LED indicates battery state of charge

MARKS AND CERTIFICATIONS

Factory certification	ISO 9001:2015; ISO 14001:2015
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PRODUCT DETAILS

Manufacturer name	d.light design
Product name	Solar Lantern- S200
Product model / ID number	S200
Contact information	testing@dlight.com
Website	www.dlight.com
Dimensions (entire product in package)	16 x 27 x 13 cm
Mass	670 g

SSS INFORMATION

Specs sheet expiration date	August 31, 2021
Quality standards framework version	2019
Revision	2019.08