

Sunny Lamp 2

Sun & Sky Ltd.

Results based on test procedures detailed in Lighting Global Solar Home System test method, IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/S&S-SunnyLamp

Valid until: September 30, 2020



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

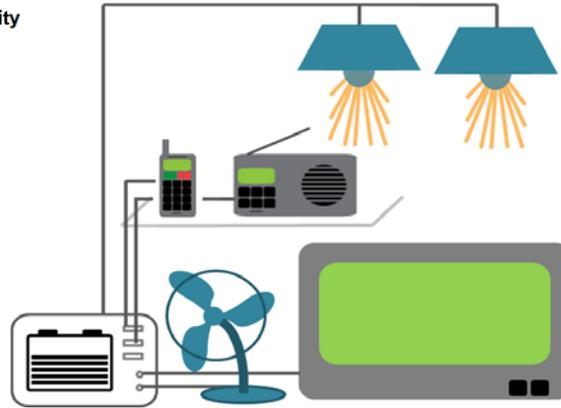
Pay-As-You-Go option available

4

Light point(s)



Electrical connections require tools*



*Some terminals on this product are not plug-and-play. Lighting Global verification assesses the performance of the system, but cannot assess proper installation of the product.

WARRANTY INFORMATION

A 3-year warranty covering manufacturing defects in the system and a 2-year warranty for the battery.

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)		
			Used alone ^b	Used in combination	Featured Combination (All 4lamps on with TV)
	Appliance ^a	Description			
included in kit	Main lighting unit	2 LP00 lamps and 2 LP200 lamps totalling to 1100 lumens and 10 W power consumption	9.5 hours	5.5 hours	3.1 hours
	Television	20" diagonal	5.5 hours	3.2 hours	3.1 hours
	Torch	1100mAh torch	6.2 hours	4.5 hours	
sold separately	Radio	portable (3Wh battery)	5.1 hours	3.6 hours	
	Mobile phone	Basic phone (3.7 Wh battery)	30 full charge(s)	20 full charge(s)	

Available daily electrical energy^c (Wh/day) 115

Performance measure	Brightness setting: Bright
Lighting full battery run time ^d (hours)	15
Total light output in lumens	1100

^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 above used in combination

^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 settings	Setting	Light output (lm)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
LP100	3	High	100	103	72	4000	Wide	>91%
LP200	3	Bright	200	110	71	4000	Wide	>92%

^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		
PAYG	★ Pay-As-You-Go enabled	
LEDs	★ UV-free LEDs are used to optimize health and safety as well as efficiency.	
Indicators	★ 4 LEDs to indicate battery state of charge	
PORTS		
2	5V USB Ports  Mobile and torch charging is included with this product. It's also able to charge radio (sold separately).	
5	12 V barrel plugs  12 V ports available to power light points provided.	
1	cigarette lighter socket  Cigarette lighter socket available to charge other devices	
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection level IP3X met.	
Level of water protection	Main Lighting Unit	Water ingress protection not tested, meant for indoor use only.
	Torch	Has protection from frequent rain; met IPX3
SOLAR DETAILS		
PV module type	Polycrystalline silicon	
PV maximum power	42 watts	
BATTERY DETAILS		
Battery replaceability	Not easily replaceable with common tools.	
Battery chemistry	Lithium iron phosphate	
Battery package type	2P4S	
Battery capacity	7 Ah	
Battery nominal voltage	12.8 V	
Battery status indication	4 colored LED indicators for battery state of charge light up: red for low battery, yellow for 50% full charge, green for full-charge, and a blinking blue light for charging	
MARKS AND CERTIFICATIONS		
Factory certification	ISO 9001:2008	
Safety certification	UL	
Other certification	CE	
PRODUCT DETAILS		
Manufacturer name	Sun & Sky Ltd.	
Product name	Sunny Lamp 2	
Product model / ID number	456	
Contact information	person@sun&sky.com	
Website	www.sun&skyltd.com	
Dimensions (entire product in package)	20 x 24 x 18 cm	
Weight	8000 g	
SSS INFORMATION		
Specs sheet expiration date	September 30, 2020	
Quality standards framework version	2018	
Revision	2018.09	