

Sun King Home 400 easybuy

Greenlight Planet

Verify online:

www.lightingglobal.org/products/glp-home400

Results based on test procedures detailed in
Lighting Global Solar Home System Test Method, Ed. 2.0

Valid Until: October 31, 2020



Available Daily Electrical Energy (Wh/day)

83*

Lumens

1200



Meets Lighting Global
Quality Standards



Mobile Charging

PAYG

Pay-As-You-Go Option Available

5 Light Points

2 5-volt USB Ports



4 12-volt Ports



Warranty Information

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

Performance Details

Appliance ^b	Description	Included with kit?	Power ^b (W)	Run Time After a Typical Day of Solar Charging ^a		
				Used Alone ^c	Used In Combination ^d	Run Time Units
Main lighting	5 light points on totaling 1200 lumens	included	4.6	9	6.1	hours
Television	19" diagonal	included	7.8	11	3.1	hours
Mobile Phone	Basic phone (3.7 Wh battery)	sold separately	--	18	1.5	number of full charges

Available daily electrical energy^d (Wh/day): 83* ^aAdditional energy may be available for daytime use of appliances

Performance Measure	Brightness Setting: All lights on high
Lighting full battery run time ^e (hours)	9
Total light output in lumens ^f	1200

^a A typical day of solar charging assumes 5 kWh/m²/day

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

^c Without any other loads used during the run time

^d Based on an example use profile with all of the appliances listed above used in combination

^e 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.

^f 1 candle or kerosene wick lamp = approximately 10 lumens

Lighting Details

Lamp Name	Type	Number of Settings	Light Output (lm)	Lumen Efficacy (lm/W)	CRI ^g	CCT ^h	Distribution Type	Lumen Maintenance ⁱ
Overhead lamp	LED	3	200	100	70	Cool (3000-5000 K)	Wide	>94%
Tubelight	LED	3	370	160	72	Daylight (> 5000 K)	Wide	>100%
Motion Sensor lamp	LED	1	95	130	71	Cool (3000-5000 K)	Wide	>100%

^g Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

^h Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, cool, or daylight.

ⁱ Percent of the original light output that remains after 2,000 hours of run time

Special Features

Mobile charging and appliances	USB and 12 V ports available to charge devices and power appliances
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Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested; meant for indoor use only.

Solar Details

PV module type	Polycrystalline silicon
PV maximum power	38 watts

Battery Details

Battery replaceability	Easily replaceable with common tools
Battery chemistry	Lithium-ion
Battery package type	3s5p 18650 package
Battery capacity	12 Ah
Battery nominal voltage	11.1 V
Battery Status Indication	5 LEDs indicate the status of the battery and 5 LEDs indicate the charging rate

Marks and Certifications

Factory certification	ISO 9001:2008; ISO 14001:2004
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Product Details

Manufacturer name	Greenlight Planet
Product name	Sun King Home 400 easybuy
Product model / ID number	SK503
Contact information	sales@greenlightplanet.com
Website	www.greenlightplanet.com
Dimensions (entire product in package)	not applicable
Weight	7600 g

SSS Information

Specs sheet expiration date	October 31, 2020
Quality Standards Framework Version	2018
Revision	2018.10