

# Sun King Home 400 easybuy

Greenlight Planet

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

Verify online:

[www.lightingglobal.org/products/glp-home400](http://www.lightingglobal.org/products/glp-home400)

Valid Until: May 31, 2021



## Available Daily Electrical Energy (Wh/day)

88

Lumens

1200



Meets Lighting Global  
Quality Standards



Mobile Charging

**PAYG**

Pay-As-You-Go

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 <sup>b</sup>	Description	Included with kit?	Power <sup>b</sup> (W)	Run Time After a Typical Day of Solar Charging <sup>a</sup>		
				Used Alone <sup>c</sup>	Used In Combination <sup>d</sup>	Run Time Units
Main lighting	5 light points on totaling 1200 lumens	included	9	10	6.8	hours
Television	19" diagonal	included	7.8	11	3.4	hours
Mobile Phone	Basic phone (3.7 Wh battery)	sold separately	--	18	1.7	number of full charges

Available daily electrical energy<sup>d</sup> (Wh/day): 88

\*Additional energy may be available for daytime use of appliances

Performance Measure	Brightness Setting: All lights on high
Lighting full battery run time <sup>e</sup> (hours)	10
Total light output in lumens <sup>f</sup>	1200

<sup>a</sup> A typical day of solar charging assumes 5 kWh/m<sup>2</sup>/day

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

<sup>c</sup> Without any other loads used during the run time

<sup>d</sup> Based on an example use profile with all of the appliances listed above used in combination

<sup>e</sup> 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.

<sup>f</sup> 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 <sup>g</sup>	CCT <sup>h</sup>	Distribution Type	Lumen Maintenance <sup>i</sup>
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%

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

<sup>h</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, cool, or daylight.

<sup>i</sup> 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
PAYG Payment Systems	SK503 has keypad PAYG system SK505 has GSM PAYG system

**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	12.5 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 / SK505
Contact information	sales@greenlightplanet.com
Website	www.greenlightplanet.com
Dimensions (entire product in package)	not applicable
Weight	8230 g

**SSS Information**

Specs sheet expiration date	May 31, 2021
Quality Standards Framework Version	2018
Revision	2018.10