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

Valid Until: February 28, 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[b]	Description	Included with kit?	Power[b] (W)	Run Time After a Typical Day of Solar Charging[a]		Run Time Units
				Used Alone[c]	Used In Combination[d]	
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[d] (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[e] (hours)	10
Total light output in lumens[f]	1200

[a] A typical day of solar charging assumes 5 kWh/m^2/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 vieiwing 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
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

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	February 28, 2021
Quality Standards Framework Version	2018
Revision	2018.10