

Sun King Home 400 easybuy

SK503/SK505
Greenlight Planet

Results based on test procedures detailed in IEC TS 62257-9-5

Verify online:
<https://data.verasol.org/products/sek/glp-home400>
Valid until: April 30, 2023



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

5

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	5 light points on (High) totaling 1200 lumens and 8.0 W	10 hours	6.8 hours
yes	included	Television	19" diagonal (6.9 W power consumption while in-use)	11 hours	3.4 hours
no	not included	Mobile Phone	Basic Phone (3.7 Wh battery)	18 full charge(s)	1.7 full charge(s)

Available daily electrical energy ^c (Wh/day)	88
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Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	10
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	8400

^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 ^a (lm/W)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
200 lm Lamp	2	3	High	200	130	70	4900	Wide	94%
Tubelight	2	3	High	370	160	72	6215	Wide	100%
Motion Sensor Lamp	1	1	On	95	130	71	4931	Wide	100%

^a 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 Payment Systems	★ SK503 has keypad PAYG system SK505 has GSM PAYG system	
PORTS		
2	USB 2.0 type A  Mobile phones and radios can be charged. Adapters are included.	
4	Barrel jack  Four 12 V ports available to charge devices and power appliances and light points.	
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Strain relief test, Physical ingress protection	
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	Television	Water ingress protection not tested, meant for indoor use only.
SOLAR DETAILS		
PV module type	Polycrystalline silicon	
PV maximum power	38 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Easily replaceable with common tools.	
Battery chemistry	Lithium-ion	
Battery package type	3s5p 18650	
Battery capacity	12.5 Ah	
Battery nominal voltage	11.1 V	
Battery status/ other indicator lights	5 LEDs indicate the status of the battery and 5 LEDs indicate the charging rate.	
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)	Multiple packages. Contact manufacturer for more information.	
Mass	8230 g	
SSS INFORMATION		
Specs sheet expiration date	April 30, 2023	
Revision	2022.05	