

HomePlus Max solar home system with EasyBuy

SK-526

Brand name: Sun King

Results based on test procedures detailed in IEC TS 62257-9-5:2018 and IEC TS 62257-9-8:2020

Verify online:

<https://data.verasol.org/products/sek/glp-skhpm>

Valid until: September 30, 2027



Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits

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.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	5 light points on turbo totaling 2410 lumens and 16 W power	12 hours	9.8 hours
yes	included	Television	32" diagonal television (8.8 W power consumption while in use)	28 hours	5.9 hours
no	not included	Smart phone	Smart phone (5.7Wh battery)	26 full charge(s)	3 full charge(s)
no	not included	Tablet	Tablet computer (15Wh battery)	11 hours	--

Available daily electrical energy [Wh/day]	220
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Performance measure	Brightness setting: 5 lights on turbo
Lighting full battery run time for main unit [hours]	12
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	28900

^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.

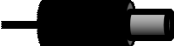
LIGHTING DETAILS									
Lamp name	Number of lamps	Number of settings	Setting name	Light output [lm]	Power Consumption [W]	Lumen efficacy ^e [lm/W]	CRI ^f	CCT ^g	Lumen maintenance ^h
Tubelight	4	3	turbo	570	3.7	160	80	5800	98
			medium	not tested	1.7	not tested	not tested	not tested	not tested
Sensor light	1	1	on	110	0.8	140	72	4900	98

^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 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.

PORTS		
2	USB 2.0 type A	 Mobile phones and tablets can be charged. Adapters are included.
4	Barrel jack	 12 V ports available to power appliances and light points.
1	USB type C	Mobile phones and tablets can be charged. Adapters are included.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Permanent rooftop installation for PV modules
	32" TV and Tubelight	Water ingress protection not tested, meant for indoor use only.
	Sensor light	Has protection from permanent outdoor exposure; met IPX5
SOLAR DETAILS		
PV Module Type		Monocrystalline silicon
PV Maximum Power		76 W
PV Rated Power		80 W
PV Open-Circuit Voltage (V _{OC})		24.5 V
MAIN UNIT BATTERY DETAILS		
Battery Replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery Chemistry		Lithium iron phosphate
Battery Package Type		34145
Battery Capacity (tested)		15 Ah
Battery Capacity (rated)		15 Ah
Battery Nominal Voltage		12.8 V
Battery status / other indicator lights		5 LED indicators indicate the batteries charge status.
PRODUCT DETAILS		
Company Name (full)		Greenlight Planet Inc.
Company Name ("brand")		Sun King
Product Name		HomePlus Max solar home system with EasyBuy
Product Model or ID Number		SK-526
Company Contact Information		sales@sunking.com
Company Website		www.sunking.com
Mass		n/a
SSS INFORMATION		
Expiration Date		September 30, 2027
Revision		2025.10