Home Mate H4G-220 Solar Energy System

H4G-220 JUA Energy Co. Ltd.

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

https://data.verasol.org/products/sek/jua-h4g-220

Valid until: September 30, 2022



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging



Light point(s)



Plug-and-play

Pay-As-You-Go



Run time after a typical day of solar charging

WARRANTY INFORMATION

A 24-month warranty covering manufacturing defects in the system.

PERFORMANCE DETAILS

			(assuming 5kWh/m²/day)		
	Appliance ^a	Description	Used alone ^b	Used in combination ^c	
included in kit	Main lighting unit	5 light points on high totaling 2030 lumens and 18.7 W power	12 hours	6.4 hours	
	Television	24" diagonal (10.9 W power consumption while in-use)	26 hours	3.3 hours	
	Fan	16" standing fan (10.1 W power)	28 hours	8.3 hours	
sold separately	Radio	portable radio (Li-ion battery: 1 Ah, 3.7 V) with rated power consumption of 0.5 W.	310 hours	5.2 hours	
	Smart phone	Smart phone (5.7 Wh battery)	29 full charge(s)	1.7 full charge(s)	

Available daily electrical energy^c (Wh/day) 255

Performance measure	Brightness setting: high
Lighting full battery run time ^d 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)	24400

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

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 (Im)	Lumen efficacy ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
300 lm lamp	3	2	high	310	110	77	7400	Wide	99%
500 lm lamp	2	2	high	550	110	76	8200	Wide	99%

^e Lumen efficacy is the power consumption at a light point during the light output test.

^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.

^fColor 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

Mobile phones and radios can be charged. Adapters are included.	PORTS							
Durability ests passed Wain Unit Water ingress protection not tested, meant for indoor use only. Level of water protection Level of water protection Water ingress protection not tested, meant for indoor use only. PV module Has protection from permanent outdoor exposure 300 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only. 800 In lamp Water ingress protection not tested, meant for indoor use only.		USB 2.0 type A		Mobile phones and radios can be charged. Adapters are included.				
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