

Homaya Family PAYG Solar Home System S03

AEH-LSHSP3-S3000

Schneider Electric Industries SAS

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

Verify online:

<https://data.verasol.org/products/sek/se-hyaS03>

Valid until: October 31, 2022



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

Two year warranty valid only for manufacturing defects

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)		
		Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit	Main lighting unit		3 light points on high and integrated light on, totaling 550 lumens and 4.6 W	29 hours	4.4 hours
	Headlamp		57 lumens portable lantern, Li-ion battery: 0.5 Ah, 3.7 V	211 hours	4.5 hours
sold separately	Television		12 W power consumption while in use	11 hours	2.2 hours
	Radio		portable radio (Li-ion battery: 1 Ah, 3.7 V) with rated power consumption of 0.5 W	170 hours	3.4 hours
	Mobile phone		Smart phone (5.7 Wh battery)	12 full charge(s)	1.1 full charge(s)
	Fan		Fan (12 W power)	11 hours	5.5 hours
	Hair clipper		Hair clipper (2.1 W power)	80 hours	--

Available daily electrical energy^e (Wh/day)

124

Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	32
Lighting full battery run time of the Headlamp powered by Headlamp battery (hours)	4.8
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	15700

^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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Fixed lamp	3	3	High	180	130	75	5100	Wide	98%
Headlamp	1	4	White light on high	57	160	73	5100	Wide	98%
Integrated lamp	1	1	On	≤ 15 lm	--	--	--	--	--

^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 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		
Includes headlamp 	Headlamp has an adjustable strap for multiple uses	
PORTS		
4	USB 2.0 type A 	1 USB port provided on main unit and 3 USB ports on lamp extension cables for charging devices.
4	Barrel jack 	4 12 V DC ports provided on the main unit to power lights, DC TV or DC fan (fan and TV not included).
2	Other ports	Additional PV input port and external battery port provided on main unit for possible expansion.
DURABILITY		
Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop 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
	Headlamp	Has protection from frequent rain; met IPX4
SOLAR DETAILS		
PV module type	Polycrystalline silicon	
PV maximum power	37 watts	
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	8 x 32650 cells	
Battery capacity	11.7 Ah	
Battery nominal voltage	12.8 V	
Battery status indication	One low or no balance indicator, one charging/battery status indicator and one 7 segment display for showing different status.	
MARKS AND CERTIFICATIONS		
Factory certification	ISO 9001:2015	
PRODUCT DETAILS		
Manufacturer name	Schneider Electric Industries SAS	
Product name	Homaya Family PAYG Solar Home System S03	
Product model / ID number	AEH-LSHSP3-S3000	
Contact information	Prashanth.nagaraja@se.com, Sathish.kumar@se.com	
Website	www.se.com	
Dimensions (entire product in package)	43.5 x 22 x 10 cm (30 W PV module packaged separately)	
Mass	6925 g (including PV module)	
SSS INFORMATION		
Specs sheet expiration date	October 31, 2022	
Quality standards framework version	2020	
Revision	2020.10	