

Homaya PAYG Solar Home System S02

AEH-LSHSP2-S2000

Brand Name: Schneider Electric

Verify online:

<https://data.verasol.org/products/sek/se-hyaS02>

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

Valid until: November 30, 2025



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

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	3 light points on high and integrated light on, totaling 550 lumens and 4.6 W	8.9 hours	1.3 hours
yes	included	Headlamp	57 lumens portable lantern, Li-ion battery: 0.5 Ah, 3.7 V	64 hours	1.4 hours
no	n/a	Television	12 W power consumption while in use	3.3 hours	0.68 hours
no	n/a	Radio	portable radio (Li-ion battery: 1 Ah, 3.7 V) with rated power consumption of 0.5 W	54 hours	1.1 hours
no	n/a	Smart phone	Smart phone (5.7 Wh battery)	7.2 full charge(s)	0.35 full charge(s)
no	n/a	Fan	Fan (12 W power)	3.3 hours	1.7 hours

Available daily electrical energy ^c (Wh/day)	38
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	8.4
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)	4630

^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	High	57	160	73	5100	Wide	98%
Integrated lamp	1	1	On	≤ 15 lm	not tested	not tested	not tested	Omnidirectional	not tested

^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	 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, PV durability tests
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		13 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		4x26650
Battery capacity		3.2 Ah
Battery nominal voltage		12.8 V
Battery status/ other indicator lights		One low or no balance indicator, one charging/battery status indicator and one 7 segment display for showing different status.
PRODUCT DETAILS		
Company name		Schneider Electric Industries SAS
Brand name		Schneider Electric
Product name		Homaya PAYG Solar Home System S02
Product model / ID number		AEH-LSHSP2-S2000
Contact information		Sathish Kumar, Adarsh TV, sathish.kumar@se.com, Adarsh.TV@se.com
Website		www.se.com
Dimensions (entire product in package)		39.5 x 30 x 13 cm
Mass		4120 g
SSS INFORMATION		
Specs sheet expiration date		November 30, 2025
Revision		2024.06