

# 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: March 31, 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

Two year warranty valid only for manufacturing defects

## PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
			Used alone <sup>b</sup>	Used in combination <sup>c</sup>
			Appliance <sup>a</sup>	
			Description	
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<sup>e</sup> (Wh/day) 124

Performance measure	Brightness setting: High
Lighting full battery run time <sup>d</sup> 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

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

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 <sup>g</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
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	--	--	--	--	--

<sup>g</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> 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		March 31, 2023
Quality standards framework version		2020
Revision		2020.10