SHS with headlamp

Homaya S01
Schneider Electric Industries SAS

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

✔ **Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits**

📱 **Mobile charging**

4 **Light point(s)**

▶ **Plug-and-play**

WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system and battery.

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance[a]	Description	Run time after a typical day of solar charging (assuming 5kWh/m²/day) Used alone[b]	Run time after a typical day of solar charging (assuming 5kWh/m²/day) Used in combination[c]
yes	included	Main lighting unit	2 light points on high totaling 350 lumens and 2.8 W power	7.1 hours	0.93 hours
yes	included	Headlamp	54 lumens torch, Li-ion battery: 0.35 Ah, 3.7 V	27 hours	1 hours
yes	included	Inbuilt light	15 lumens and 0.47 W power	42 hours	0.93 hours
no	not included	TV	16" or smaller diagonal; 8 W power consumption while in-use	2.4 hours	0.48 hours
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	26 hours	0.72 hours
no	not included	Fan	Small table fan (16" or smaller diameter, 8 W power)	2.5 hours	1.2 hours
no	not included	Smartphone	Smart phone (5.7 Wh battery)	2.3 hours	0.24 hours

Available daily electrical energy[c] (Wh/day)	19

Performance measure	Brightness setting: High
Lighting full battery run time[d] for main unit (hours)	6.1
Lighting full battery run time of the Headlamp powered by Headlamp battery (hours)	4.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2030

[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	2	3	High	180	130	76	5200	Wide	99%
Inbuilt lamp	1	1	On	--	--	--	--	--	--
Headlamp	1	2	High	54	150	74	5200	Wide	97%

[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

PORTS			
3	USB 2.0 type A		Mobile phones and radios can be charged.
3	Barrel jack		12 V ports available to charge devices and power appliances and light points.

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 and fixed lamps	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	6.7 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 capacity	1.6 Ah
Battery nominal voltage	12.8 V
Battery status/ other indicator lights	One indicator for ow battery and one for battery charge.

PRODUCT DETAILS	
Manufacturer name	Schneider Electric Industries SAS
Product name	SHS with headlamp
Product model / ID number	Homaya S01
Contact information	sathish.kumar@se.com; adarsh.TV@se.com
Website	www.se.com
Dimensions (entire product in package)	28 x 30 x 13 cm
Mass	3070 g

SSS INFORMATION	
Specs sheet expiration date	August 31, 2024
Revision	2023.04