

SHS with headlamp

Homaya S01
Schneider Electric Industries SAS

Verify online:
<https://data.verasol.org/products/sek/se-s01>
Valid until: October 31, 2024

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

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	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			October 31, 2024
Revision			2023.04