Mobiya Lite
AEP-LL01-S1000
Schneider Electric Industries SAS

Verify online:
https://data.verasol.org/products/sek/se-myalite

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8
Valid until: May 31, 2024

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

📱 Mobile charging

1 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	1 light point on high totaling 110 lumens and 0.8 W power	6 hours	2.1 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	0.7 full charge(s)	0.5 full charge(s)
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	1 full charge(s)	--

Available daily electrical energy[c] (Wh/day)	5

Performance measure	Brightness setting: High
Lighting full battery run time[d] for main unit (hours)	6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	660

[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]
Integrated lamp	1	5	High	110	140	74	5000	Wide	98%

[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

Mounting	⭐	**The lamp has a handle with a hole and a hook that can be mounted in multiple ways.**	
SOS indicator	⭐	**The lamp has a built-in SOS indicator light for emergencies**	

PORTS

1	USB 2.0 type A		Mobile phones can be charged. Adapters are included.

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	Has protection from frequent rain; met IPX4
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	1.9 watts

MAIN UNIT BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	18650
Battery capacity	1.6 Ah
Battery nominal voltage	3.2 V
Battery status/ other indicator lights	There are two indicators; one for PV charging and one for battery state of charge

PRODUCT DETAILS

Manufacturer name	Schneider Electric Industries SAS
Product name	Mobiya Lite
Product model / ID number	AEP-LL01-S1000
Contact information	sathish.kumar@se.com; adarsh.tv@se.com
Website	www.se.com
Dimensions (entire product in package)	13 x 17.5 x 7 cm
Mass	475 g

SSS INFORMATION

Specs sheet expiration date	May 31, 2024
Revision	2022.05