Mobiya Original

AEP-LOR01-S1000

Schneider Electric Industries SAS

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:
www.lightingglobal.org/products/se-mob
Valid until April 30, 2022

Meets the Lighting Global Pico-PV Quality Standards

Mobile charging

1 **Light point(s)**

Plug-and-play

WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m^2/day)	
	Appliance[a]	**Description**	**Used alone**[b]	**Used in combination**[c]
included in kit	Main lighting unit	1 light point on high, totaling 200 lumens and 1.3 W power	7 hours	2.6 hours
sold separately	Mobile phone	Smart phone (5.7 Wh battery)	1 full charge(s)	0.65 full charge(s)

Available daily electrical energy[c] (Wh/day)	8

Performance measure	**Brightness setting: high**
Lighting full battery run time[d] for main unit (hours)	7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1400

[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]
Main Lighting Unit	1	3	High	200	150	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 vieiwing 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			
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; met IP6X.
Level of water protection	Main Unit	Has protection from permanent outdoor exposure; met IP67 (Resistant to immersion in water)
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	3.4 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	2 x 18650 cylindrical cells
Battery capacity	3 Ah
Battery nominal voltage	3.2 V
Battery status indication	Two indicators for PV charging rate and battery state of charge

MARKS AND CERTIFICATIONS	
Factory certification	ISO9001:2015; ISO14001:2015; ISO50001:2011; OHSAS18001:2017

PRODUCT DETAILS	
Manufacturer name	Schneider Electric Industries SAS
Product name	Mobiya Original
Product model / ID number	AEP-LOR01-S1000
Contact information	sathish.kumar@se.com; prashanth.nagaraja@se.com
Website	www.se.com
Dimensions (entire product in package)	19 x 19 x 18.5 cm
Mass	1130 g

SSS INFORMATION	
Specs sheet expiration date	April 30, 2022
Quality standards framework version	2020
Revision	2020.04