

# Mobiya Original

AEP-LR01-S2000

Schneider Electric Industries SAS

Verify online:

<https://data.verasol.org/products/sek/se-org>

Valid until: May 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

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

2-year warranty covering manufacturing defects for the whole system.

## PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	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>
yes	included	Main lighting unit	1 light point on turbo, totaling 330 lumens and 1.3 W power	4.1 hours	1.9 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	0.93 full charge(s)	0.49 full charge(s)
no	not included	Mobile phone	Mobile phone (3.7 Wh battery)	1.5 full charge(s)	-- full charge(s)

Available daily electrical energy <sup>c</sup> (Wh/day)	7.6
---	-----

Performance measure	Brightness setting: Turbo
Lighting full battery run time <sup>d</sup> for main unit (hours)	4.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1350

<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>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
Solar Lantern Integrated Light	1	4	Turbo	330	140	74	5200	Wide	99%
Solar Lantern Integrated Light	1	4	High	230	160	74	5200	--	--

<sup>e</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		
SOS indicator	★	The lamp has a built-in SOS indicator light for emergency.
PV orientation indicator	★	Amber and green indicator lights correlate with PV orientation to help the user position the panel correctly.
Battery life indicator	★	LED indicator for end of battery life.
External battery replaceability	★	Battery can be easily replaced post-warranty without opening the product.
Power saver mode	★	Power saving mode helps conserve power at low battery.
Recycled Plastic	★	Handle is made from recycled ABS plastic.
Recycled Packaging	★	Made from recycled material.
Mounting	★	Seven different ways of mounting lantern.
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 permanent outdoor exposure; met IP65, water resistant up to 0.5m depth for 1 hour.
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		2.6 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is serviced by any person not authorized by Schneider
Battery chemistry		Lithium iron phosphate
Specific Li-ion battery chemistry		Lithium iron phosphate
Battery package type		26650
Battery capacity		3.4 Ah
Battery nominal voltage		3.2 V
Battery status/ other indicator lights		There are two main indicators: one for PV charging and the other for battery state of charge. Other speciality indicators are listed in special features.
PRODUCT DETAILS		
Manufacturer name		Schneider Electric Industries SAS
Product name		Mobiya Original
Product model / ID number		AEP-LR01-S2000
Contact information		sathish.kumar@se.com; adarsh.TV@se.com
Website		www.se.com
Dimensions (entire product in package)		15.5` x 15.5 x 14 cm
Mass		460 g
SSS INFORMATION		
Specs sheet expiration date		May 31, 2024
Revision		2022.03