

# Product datasheet

Specifications



Solar lantern, Mobiya original,  
water resistant, rechargeable,  
mobile charging

AEP-LR01-S2000

## Main

Range of product	Mobiya
Product or component type	Portable solar lighting system
Solar panel type	Polycrystalline

## Complementary

[Us] rated supply voltage	5...24 V DC, solar panel
Bulb type	1 LED (2.2 W)
Power range	2.5 W
Maximum rated voltage	5 V for DC
Luminous flux	280 lm 200 lm 100 lm 20 lm
Light source colour	Cool white LED, colour temperature: 5000 K
Signalling function	BATT (battery status) LED green, amber and red
Operating time	6 h at 200 lm 12 h at 100 lm 48 h at 20 lm
Kit composition	1 solar panel with cable, cable length: 5 m (AWG 24) 1 Multi port mobile charging cable
Cable cross section	0.20 mm <sup>2</sup> - AWG 24
Cable length	5 m 2 core cable for between solar panel and DC input
Battery capacity	3.4 Ah at 3.2 V, LiFePO4
Integrated connection type	DC jack 5 V DC, maximum load current: 550 mA +/- 10 % USB port
Width	152 mm
Depth	Solar panel: 17 mm
Height	Lamp: 142 mm Solar panel: 185 mm
Net weight	1.0 kg

## Environment

IP degree of protection	IP65
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<b>Product certifications</b>	SONCAP SABS CE LM-79 LIGHTING GLOBAL
<b>Ambient air temperature for operation</b>	-10...50 °C
<b>Relative humidity</b>	90 %

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	19.6 cm
<b>Package 1 Width</b>	18.5 cm
<b>Package 1 Length</b>	19.2 cm
<b>Package 1 Weight</b>	1.3 kg

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive [Compliant](#)  
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)  
Pro-active China RoHS declaration (out of China RoHS legal scope)

Environmental Disclosure [Product Environmental Profile](#)

Weee [The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins](#)

Circularity Profile [End of Life Information](#)