

Product data sheet

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 ² - 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
Product certifications	SONCAP SABS

Ambient air temperature for operation -10...50 °C

Relative humidity 90 %

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Offer Sustainability

Sustainable offer status Green Premium product

REACH Regulation [REACH Declaration](#)

REACH free of SVHC Yes

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

Mercury free Yes

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

RoHS exemption information [Yes](#)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)

WEEE The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Recommended replacement(s)