

# Product datasheet

Specifications



## Mobiya 170Lumens with 6Hrs backup & water resistant, Mobile charging

AEP-LB01-SU12W

### 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 (1.2 W)
Power range	2.5 W
Maximum rated voltage	5 V for DC
Luminous flux	170 lm 85 lm 20 lm
Light source colour	Warm white LED, colour temperature: 5000 K
Signalling function	Battery status charging green Battery status full green Battery status low red
Operating time	6 h at 170 lm 12 h at 85 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 Ah at 3.2 V, LiFePO4
Integrated connection type	DC jack 5 V DC, maximum load current: 400 mA +/- 10 mA USB port
Width	Lamp: 156 mm Solar panel: 142 mm
Depth	Solar panel: 16 mm
Height	Lamp: 142 mm Solar panel: 185 mm
Net weight	0.45 kg LED unit 0.57 kg solar panel

### Environment

IP degree of protection	IP65
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<b>Standards</b>	IEC
<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 Weight</b>	1.3 kg
<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>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	8
<b>Package 2 Weight</b>	11.17 kg
<b>Package 2 Height</b>	42 cm
<b>Package 2 width</b>	38.5 cm
<b>Package 2 Length</b>	40 cm
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	96
<b>Package 3 Weight</b>	140.0 kg
<b>Package 3 Height</b>	80 cm
<b>Package 3 width</b>	80 cm
<b>Package 3 Length</b>	120 cm

## Offer Sustainability

<b>EU RoHS Directive</b>	Under investigation
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

## Contractual warranty

<b>Warranty</b>	2 years
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