

Product data sheet

Characteristics

AEP-LB01-SU12W

Solar Lantern - 1.2W



Main

Power consumption by LED	1.2 W
Solar input voltage	5 V - 20 V ± 1V
Maximum light output	170 Lumens
Colour of LEDs	Warm White 5000k Typical
Battery charging (Solar)	Green LED Blinking
Battery low	Red LED Blinks
Backup duration	<ul style="list-style-type: none"> • Light only • >6hrs : 170 Lumens • >12hrs : 85 Lumens • >48hrs : 20 Lumens
Cable length from Solar panel to DC input	5 m, 2 core, 24 AWG (0.20 mm ²)
Solar panel type	Poly Crystalline
Maximum rated power	2.5 Wp
Peak power voltage	5 V
Battery type	Lithium Ferro Phosphate
Rated capacity	3.2 V, 3 Ah
Mobile phone charger port	5 V, 400 mA +/-10mA
Mobile phone charging Adaptors	4 Pin adaptors
Charging the lamp from the 5V USB	Yes
Product Certifications	Lighting Global, SONCAP, IP65, LM79, CE and SABS (IEC Report)

Complementary Mechanical Specifications

Dimensions - Lamp (B x H)	156x142 mm
Dimensions - Solar panel (B x H X D)	185x185x16 mm
Net weight - LED lamp	0.45 Kg
Net weight - Solar panel	0.57 Kg
Gross weight	1.3 Kg

Environment

Operating / Storage temperature	-10 to 50° C
Relative humidity	90%

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Packaging Information

Type	Dimensions (L x B x H in mm)	Net weight (Kg)	Gross weight (Kg)	No. of units
Unitary package	192 x 185 x 196	1.02	1.3	1
Group package	400 x 385 x 420	10.4	12	8
Pallet package	1200 x 800 x1000	144	166	96