

# Product data sheet

## Characteristics

# AEP-LB-SU12W

## Portable Solar LED Lighting System-1.2W



### Main

Power consumption by LED	1.2 W
Solar input voltage	8 V - 16 V (+/-1V DC)
Efficiency of LED controller	85%
Maximum light output	120 Lumens
Colour of LEDs	Warm White 5000k Typical
Battery charging (Solar)	Green LED Blinking
Battery low	Red LED is Blinking
Backup duration	<ul style="list-style-type: none"> <li>• Light only                             <ul style="list-style-type: none"> <li>• 6hrs-120 lumens</li> <li>• 12hrs- 55 lumens</li> <li>• 48hrs- 10 lumens</li> </ul> </li> </ul>
Cable length from Solar panel to DC input	5 m, 2 core, 22 AWG (0.32 mm <sup>2</sup> )
Solar panel type	Multi Crystalline Silicon
Maximum rated power	2.5 Wp
Peak power voltage	8.20 V
Battery type	Lithium Ferro Phosphate
Rated capacity	6.4 V, 1.5 Ah
Mobile phone charger port	5 V, 300 mA +/-10mA
Mobile phone charging Adaptors	5 Pin adaptors
<b>Product Certifications</b>	SONCAP, IP65

### Complementary

### Mechanical Specifications

Dimensions - Lamp (B x H)	156x142 mm
Dimensions - Solar panel (B x H X D)	201x201x21 mm
Net weight - LED lamp	0.5 Kg
Net weight - Solar panel	0.55 Kg
Gross weight	1.05 Kg

### Environment

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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.

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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	208 x 185 x 212	1.05	1.50	1
Group package	430 x 385 x 450	12.0	13.8	8
Pallet package	1200 x 1000 x1060	165.6	200	96