

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"> • Light only <ul style="list-style-type: none"> • 6hrs-120 lumens • 12hrs- 55 lumens • 48hrs- 10 lumens
Cable length from Solar panel to DC input	5 m, 2 core, 22 AWG (0.32 mm ²)
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
Product Certifications	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%