

# Product data sheet

## Characteristics

# AEH-LP01-SBG-5W

## LED Solar Lighting System – Mains input



### Main

Power consumption by LED lamp	5 W
AC input voltage	90 - 270 V AC, 50 - 60 Hz
Solar input voltage	16 V - 21 V DC
Battery input voltage	11.5 V - 14.3 V DC
Efficiency of LED controller circuit	85%
Maximum light output	460 Lumens
Colour of LEDs	White
Battery charging / Power ON (Solar)	Green LED is ON
Battery low	Red LED is ON
Battery charge status	Yellow LED is ON - Brightness is proportional to the battery state of charge
Backup duration	8 hours
Cable to plug to backup unit	1 m, 2 core, 20 AWG (0.5 mm <sup>2</sup> )
Cable to connect the lamp to mains	0.5 m, 20 AWG (0.5 mm <sup>2</sup> )
Low voltage disconnect	11.5 ± 0.1 V
High voltage disconnect	14.3 ± 0.2 V
<b>Solar panel</b>	
Solar panel type	Mono-Crystalline
Maximum rated power	10 Wp
Peak power voltage	17 V
Cable to plug to LED lamp	10 m, 18 AWG (0.75 mm <sup>2</sup> )
<b>Backup unit with cell phone</b>	
Battery type	Sealed maintenance free lead acid
Rated capacity	12 V, 4.5 Ah
Cell phone charger port	5.5 V, 400 mA
<b>Product Certifications</b>	SONCAP

### Complementary

#### Mechanical Specifications

Dimensions - Lamp (L x B x H)	318 x 60 x 52 mm
Dimensions - Battery (L x B x H)	133 x 155 x 98 mm
Dimensions - Solar panel (L x B x H)	440 x 290 x 30 mm
Net weight - LED lamp	0.33 Kg

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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Net weight - Backup unit with cell phone charger	2.15 Kg
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Net weight - Solar panel	1.76 Kg
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Gross weight	5.30 Kg
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### Environment

Operating / Storage temperature	-10 to 55°C
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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	465 x 120 x 338	4.36	5.30	1
Group package	480 x 395 x 380	15.9	17.10	3
Pallet package	1200 x 1000 x 925	205.2	240.2	36

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