

# Beebeesolar S1 Easy

S1

BeeBeeJump Technology Co., Ltd

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

<https://data.verasol.org/products/sek/bbj-s1>

Valid until: November 30, 2022



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

2

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

2-year warranty for main unit, PV module, and bulbs; 1-year warranty for fan and grid charger

## PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)		
		Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
included in kit		Main lighting unit	2 light points on (high) totaling 1570 lumens and 15 W power	18 hours	8 hours
		Fan	44 cm table fan on high setting (13 W power)	32 hours	12 hours
sold separately		Smart phone	Smart phone (5.7 Wh battery)	43 full charge(s)	2.5 full charge(s)
		Television	18 W power consumption while in-use	25 hours	5 hours
		Mobile phone	Basic phone (3.7 Wh battery)	62 full charge(s)	--

Available daily electrical energy <sup>e</sup> (Wh/day)	390
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Performance measure	Brightness setting: high
Lighting full battery run time <sup>d</sup> for main unit (hours)	18
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	28300

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

## LIGHTING DETAILS




Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
9.5 W lamp (wire separation)	2	2	high	780	100	74	8400	Wide	99%

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES		
PAYG	★	Pay-As-You-Go enabled
Oscillation	★	The fan can oscillate and has 3 settings
Grid Charger	★	The kit contains a grid charger for charging
PORTS		
2	USB 2.0 type A	 Mobile phones can be charged. Adapters are not included.
5	Barrel jack	 There are two 12 V ports for powering the included light points, and three 12 V ports available to power the included fan and advertised appliances (TV).
2	Cigarette lighter	 There are two 12 V cigarette lighter ports.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection.
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	lamp	Water ingress protection not tested, meant for indoor use only.
	fan	Water ingress protection not tested, meant for indoor use only.
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power (measured with 10 m cable)		140 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium iron phosphate
Battery package type		26650
Battery capacity		27 Ah
Battery nominal voltage		12.8 V
Battery status indication		There is one screen for battery state of charge, fault warning, credit status, charging status and product information.
PRODUCT DETAILS		
Manufacturer name		BeeBeeJump Technology Co., Ltd
Product name		Beebeesolar S1 Easy
Product model / ID number		S1
Contact information		zhaolingli@beebeejump.com
Website		www.beebeejump.com
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		n/a
SSS INFORMATION		
Specs sheet expiration date		November 30, 2022
Quality standards framework version		2020
Revision		2020.05