

Solar BT Speaker System

FS-049-01
ShenZhen JCN New Energy Technology Co., Ltd
Results based on test procedures detailed in
IEC 62257-9-5 v.4

Verify online:
<https://data.verasol.org/products/sek/sjcn-btss>
Valid until: May 31, 2022



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

3

Light point(s)



Plug and Play



WARRANTY INFORMATION

A 1-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
	Appliance ^a	Description		
included in kit	LED bulbs	2 light points and Integrated Front Light On totaling 200 lumens and 4.4 W	1.4 hours	0.94 hours
	Integrated Front Light	1 light point On totaling 71 lumens and 2.9 W	2.8 hours	0.94 hours
	Integrated Side Light	1 light point On totaling 41 lumens and 1.4 W	5.6 hours	--
	Integrated Radio	integrated battery with a power consumption of 0.8 W while in-use	11 hours	0.76 hours
sold separately	Mobile Phone	Basic phone (3.7 Wh battery)	1.1 full charge(s)	0.27 full charge(s)

Available daily electrical energy^c (Wh/day) 7

Performance measure	Brightness setting: 2 LED bulbs and Integrated Front Light On
Lighting full battery run time ^d for main unit (hours)	1.9
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	380

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

^b Without any other loads used during the run time

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

^d 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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
LED Bulb	2	1	On	99	67	47	6500	Wide	101%
Front LED Light	integrated	1	On	71	24	68	5800	Wide	97%
Side Flash Light	integrated	1	On	41	26	66	6400	Narrow	--



^e Lumen efficacy is the power consumption at a light point during the light output test.

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

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

^h Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEATURES**AC charger****AC charger included with the product****PORTS**

1	USB 2.0 type A		Mobile phones and other digital products can be charged. Adapters are not included.
4	Barrel jack		6 V ports available to power light points

DURABILITY

Overall durability and workmanship	Pass	
Durability tests passed	Switch test, Drop test, Strain relief test, physical ingress protection.	
Level of water protection	Main Lighting Unit	has protection from occasional rain; met with appropriate warning label
	PV module	Has protection from permanent outdoor exposure

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	3.4 watts

BATTERY DETAILS

Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	2 * 18650
Battery capacity	2.6 Ah
Battery nominal voltage	7.4 V
Battery status indication	The PV charging indicator lights up in green to indicate that the PV module is charging the battery. The working error indicator lights up in green to indicate that the main unit is working normally. Four green LEDs indicate battery state of charge.

PRODUCT DETAILS

Manufacturer name	ShenZhen JCN New Energy Technology Co., Ltd
Product name	Solar BT Speaker System
Product model / ID number	FS-049-01
Contact information	sales09@solarszled.com
Website	jcn solar.com
Dimensions (entire product in package)	30 x 12 x 18 cm
Mass	1490 g

SSS INFORMATION

Specs sheet expiration date	May 31, 2022
Quality standards framework version	2019
Revision	2019.10