

# 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:

[www.lightingglobal.org/products/sjcn-btss](http://www.lightingglobal.org/products/sjcn-btss)

Valid until: October 31, 2021



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 <sup>2</sup> /day)	
			Used alone <sup>b</sup>	Used in combination <sup>c</sup>
	Appliance <sup>a</sup>	Description		
included in kit	LED bulbs	2 light points and integrated front light On totalling 270 lumens and 4.4 W	1.4 hours	0.94 hours
	Integrated Side Light	1 light point On totalling 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<sup>c</sup> (Wh/day)

7

## Performance measure

Brightness setting: 2 LED bulbs and Integrated Front Light On

Lighting full battery run time<sup>d</sup> for main unit (hours)

1.9

Total lighting service (lumen-hours/solar-day)

380

(includes the both main lighting unit and any auxiliary lights included with the product)

<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>
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	--

<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****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

October 31, 2021

Quality standards framework version

2019

Revision

2019.10