

Venus Solar Home System

VE-SHS-1224

Shanghai EASY Renewables Tech Co., Ltd

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

Verify online:

www.lightingglobal.org/products/sez-shs1224

Valid until: December 31, 2020



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

Two year warranty on all kits and components from date of sale

PERFORMANCE DETAILS

	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	4 light points on totaling 639 lumens and 10 W power	25 hours	6.1 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	44 full charge(s)	1.5 full charge(s)
	Television	Greater than 16" diagonal (18 W power consumption while in-use)	13 hours	3 hours
	Radio	Portable radio (3.7 Wh battery, 3.7 V nominal voltage) with rated power consumption of 0.5 W	320 hours	12 hours
	Fan	Table fan (28 W power)	8.5 hours	7.6 hours

Available daily electrical energy^c (Wh/day) 235

Performance measure	Brightness setting: Four 2 W LED Lamps on
Lighting full battery run time ^d for main unit (hours)	32
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	16000

^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
2 W LED Lamp	4	1	On	160	66	71	6400	Wide	90%

^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**PAYG****Pay-As-You-Go enabled****PORTS**

2

USB 2.0 type A

Mobile phones and radios can be charged. Adapters are not included.

6

Barrel jack (2 A)

12 V ports available to charge devices and power lights and appliances, 6 of these ports are rated for a maximum of 2 A

1

Barrel jack (5 A)

One high-power 12 V port is available to power appliances, rated with a maximum of 5 A

DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Strain relief test, physical ingress protection.

Level of water protection

Main Lighting Unit

Water ingress protection not tested, meant for indoor use only.

PV module

Has protection from permanent outdoor exposure; met

SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

83 watts

BATTERY DETAILS

Battery replaceability

Not easily replaceable with common tools.

Battery chemistry

Lithium-ion

Battery package type

18650 x 36

Battery capacity

26 Ah

Battery nominal voltage

11.1 V

Battery status indication

Three green LEDs indicate battery state of charge and one indicates the charging status

MARKS AND CERTIFICATIONS

Factory certification

ISO 9001:2008

PRODUCT DETAILS

Manufacturer name

Shanghai EASY Renewables Tech Co., Ltd

Product name

Venus Solar Home System

Product model / ID number

VE-SHS-1224

Contact information

wei.cheng@ezrenewables.com

Website

www.ezrenewables.com

Dimensions (entire product in package)

Multiple packages. Contact manufacturer for more information.

Mass

10410 g

SSS INFORMATION

Specs sheet expiration date

December 31, 2020

Quality standards framework version

2019

Revision

2019.09