YelloBox Solar Home System

K088 L1
Shenzhen Solar Run Energy Co. Ltd.
Results based on test procedures detailed in
IEC 62257-9-5 v.4

✔ **Meets the Lighting Global Pico-PV Quality Standards**

Mobile charging

PAYG **Pay-As-You-Go option available**

5 **Light point(s)**

▶ **Plug-and-play**

WARRANTY INFORMATION

A 1-year warranty covering manufacturing defects in the system

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	5 light points on high totalling 550 lm and 5 W	5.3 hours	4.3 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	5.4 full charge(s)	1.1 full charge(s)

Available daily electrical energy[c] (Wh/day)	26

Performance measure	Brightness setting: 4 LED bulbs and Integrated Light on High
Lighting full battery run time[d] for main unit (hours)	7.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	3000

[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 Lamp	4	1	On	100	92	74	7300	Wide	98%
Integrated Light	1	3	High	149	75	75	6900	Wide	98%

[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

PORTS			
2	**USB 2.0 type A**		Mobile phones can be charged
5	**Barrel jack**		5 ports available to charge lights

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	8.3 watts

BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	18650
Battery capacity	4.9 Ah
Battery nominal voltage	7.4 V
Battery status indication	Four LEDs indicate the PAYG status, charging status and battery state of charge.

PRODUCT DETAILS	
Manufacturer name	Shenzhen Solar Run Energy Co. Ltd.
Product name	YelloBox Solar Home System
Product model / ID number	K088 L1
Contact information	info@solarunoffgrid.com
Website	www.solarunoffgrid.com
Dimensions (entire product in package)	Contact manufacturer for more information
Mass	2390 g

SSS INFORMATION	
Specs sheet expiration date	October 31, 2022
Quality standards framework version	2019
Revision	2019.06