## YelloBox T1 Solar Home System

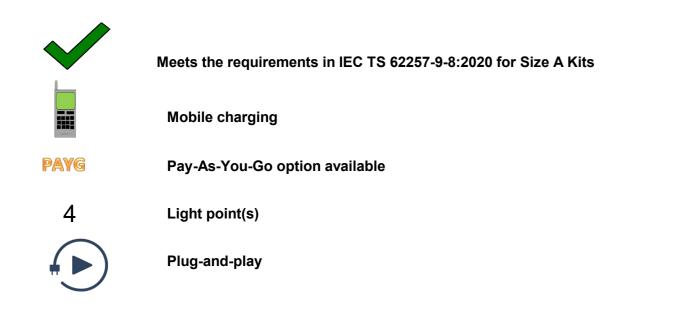
## K088 T1

Shenzhen Solar Run Energy Co. Ltd.

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

## Verify online: https://data.verasol.org/products/sek/ssr-ybt

Valid until: June 30, 2024





## WARRANTY INFORMATION

A 3-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)			
VeraSol Certified?	Included in Kit?	<b>Appliance</b> <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	4 light points on high totaling 490 lumens and 4.1W power	7.8 hours	5.2 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	4 full charge(s)	1.3 full charge(s)

29 Available daily electrical energy<sup>c</sup> (Wh/day)

Performance measure Brightness setting: 3 LED bulbs and Integrated Light on High Lighting full battery run time<sup>d</sup> for main unit (hours) 8.6 Total lighting service (lumen-hours/solar-day) 3900 (includes the both main lighting unit and any lights with internal batteries 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 (Im)	Lumen efficacy <sup>e</sup> (Im/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
LED 1W Lamp	3	1	On	140	130	83	6600	Wide	99%
Integrated Light	1	3	High	77	81	76	6700	Wide	98%

<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

PORTS						
2 USB 2.0 type A		Mobile phones and radios can be charged				
5 Barrel jack		5 ports available to charge lights				
DURABILITY						
Overall durability and workmanship		Pass				
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests				
Level of water protection	Main Unit and hanging lights	Water ingress protection not tested, meant for indoor use only.				
	PV module	Has protection from permanent outdoor exposure				
SOLAR DETAILS						
PV module type		Polycrystalline silicon				
PV maximum power		10 watts				
MAIN UNIT BATTERY DETAILS						
Battery replaceability		Not easily replaceable with common tools.				
Battery chemistry		Lithium iron phosphate				
Battery package type		32700				
Battery capacity		5.9 Ah				
Battery nominal voltage		6.4 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 T1 Solar Home System				
Product model / ID number		K088 T1				
Contact information		info@solarunoffgrid.com				
Website		www.solarunoffgrid.com				
Dimensions (entire product in package)		Contact manufacturer for more information.				
Mass		Contact manufacturer for more information.				
SSS INFORMATION						
Specs sheet expiration date		June 30, 2024				
Revision		2024.04				