

YelloBox T1 Solar Home System

K088 T1
Shenzhen Solar Run Energy Co. Ltd.

Verify online:
<https://data.verasol.org/products/sek/ssr-ybt>
Valid until: June 30, 2024

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



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
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)

Available daily electrical energy ^c (Wh/day)	29
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Performance measure	Brightness setting: 3 LED bulbs and Integrated Light on High
Lighting full battery run time ^d for main unit (hours)	8.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	3900

^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 1W Lamp	3	1	On	140	130	83	6600	Wide	99%
Integrated Light	1	3	High	77	81	76	6700	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 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