

YelloBox T1Solar Home System

K088 T1
Shenzhen Solar Run Energy Co. Ltd.

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

Verify online:

www.lightingglobal.org/products/ssr-ybt

Valid until: June 30, 2021



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
	Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	5 light points on high totalling 490 lm and 4.1 W	7.3 hours	5.7 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	6.4 full charge(s)	1.5 full charge(s)

Available daily electrical energy^c (Wh/day) 29

Performance measure	Brightness setting: 4 LED bulbs and Integrated Light on High
Lighting full battery run time ^d for main unit (hours)	7.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	3600

^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	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 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		10.4 watts	
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 T1Solar 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, 2021	
Quality standards framework version		2019	
Revision		2019.06	