YelloBox T4 Solar Home System

K088 T4
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-ybt4
Valid until: June 30, 2024

✔ **Meets the requirements in IEC TS 62257-9-8 for Size B 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 totaling 770 lumens and 6.5 W power	12 hours	9.9 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	10 full charge(s)	2.5 full charge(s)

Available daily electrical energy[c] (Wh/day)	79

Performance measure	Brightness setting: 3 LED bulbs and Integrated Light on High
Lighting full battery run time[d] for main unit (hours)	12
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	9200

[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 bulb	3	1	On	210	160	75	6400	Wide	98%
Integrated light	1	3	High	130	57	73	8000	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. Adapters are included
5	**Barrel jack**		12 V ports available to charge devices and power appliances and light points.

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	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	20 watts

MAIN UNIT BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery capacity	6 Ah
Battery nominal voltage	12.8 V
Battery status indication	One indicator for battery level

PRODUCT DETAILS

Manufacturer name	Shenzhen Solar Run Energy Co. Ltd.
Product name	YelloBox T4 Solar Home System
Product model / ID number	K088 T4
Contact information	info@solarunoffgrid.com
Website	www.solarunoffgrid.com
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.

SSS INFORMATION

Specs sheet expiration date	June 30, 2024
Revision	2024.04