

# VeraSol

## Standardized Specifications Book

**Company Name:** Shenzhen Solar Run Energy Co., Ltd

**Brand Name:** Solar Run

**Component Family Name:** YelloBox Family

**Date of Standardized Specifications Book Expiration:** September 30, 2025

**Verify Online:** <https://data.verasol.org/products/sek/ssr-ybfamily>

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This VeraSol Standardized Specifications Book presents a **component-level Standardized Specifications Sheet** listing the available components in the product family by component type, each individual component's performance rating, and performance results for each component tested according to the Edition 4 of IEC 62257-9-5. Following the component-level Standardized Specifications Sheet is a **list of the systems** covered by this Specifications Book that use combinations of these components.

**NOTICE:** Systems or kits developed using components from the component family will each perform differently and have not all been evaluated on a system-level basis. All systems listed in this Specifications Book are regarded to have passed IEC TS 62257-9-8.

**Quality Standards Framework Version:** 2023

**Revision:** 2025.04

# Component-Level Standardized Specifications Sheet

Shenzhen Solar Run Energy Co., Ltd

YelloBox Family

## Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Main unit (6 Ah, 6.4 V battery)	Lithium iron phosphate	6.4	6000	5900
Main unit (12 Ah battery)	Lithium iron phosphate	6.4	12000	12000
Torch Battery	Lithium iron phosphate	3.2	400	520

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
10 W PV module	10	10
12 W PV module	12	12
15 W PV module	15	not tested
20 W PV module	20	20

## Light Sources\*

Name / Model Number	Luminous Flux Rating (lm)				Measured Luminous Flux (lm)				Measured Lamp Efficacy (lm/W)			
	High	Mid	Low	on	High	Mid	Low	on	High	Mid	Low	on
1 W lamp	120	--	--	--	140	--	--	--	140	--	--	--
1.2 W lamp (9 LEDs, 3 settings)	170	120	90	--	190	130	--	--	170	170	--	--
2 W lamp (9 LEDs, 2 settings)	240	--	--	--	260	--	--	--	120	--	130	--
3 W lamp	--	--	--	360	--	--	--	350	--	--	--	140
Tubelight	300	--	--	--	320	--	--	--	120	--	--	--
Integrated light (in 6 Ah main unit)	80	--	--	--	77		--	--	100		--	--
Integrated light (in 12 Ah main unit)*	80	--	--	--	not tested		--	--	not tested		--	--
Torch	50	--	--	--	59		--	--	100		--	--

## Appliances\*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Radio	Portable radio (Li-ion battery: 1.5 Ah, 3.7 V), with a power consumption of 0.33 W while in use	3	0.33	1500	2000

\*Light points and appliances may perform differently when used with different systems.

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**NOTICE:** As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in Edition 4 of IEC 62257-9-5. However, based on the satisfactory performance of the tested components in the family, the components that were not tested are regarded to have passed IEC TS 62257-9-8:2020. In addition, all tested components passed an internal inspection, the full array of applicable QTM durability tests, as well as ingress protection testing (where applicable).

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For example:K088T232XYG, Includes 3 pcs 2w Lamp ; 6.4V 6000mAH, Torch, Radio, PAYG mode"

Only the kits denoted with \*\* were tested as full systems according to Edition 4 of IEC 62257-9-5 and passed IEC 62257-9-8 standards. An Individual Standardized Specification Sheet (SSS) that reports system-level performance is available for these systems at [VeraSol.org](http://VeraSol.org). Systems that were not tested, but that were developed using components from the component family will perform differently than the system(s) shown in the individual system-level SSS. All systems listed above are regarded to have passed IEC 62257-9-8.

## Warranty Information

A 2-year warranty for the main components and torch. A 1-year warranty for radio. Yellobox Family kits sold in Rwanda have a 3-year warranty for the main unit, PV module, cables, and lights and a 1-year warranty on the mobile phone charger, radio, and torch.

## Available Daily Electrical Energy and Port Information

Shenzhen Solar Run Energy Co., Ltd

YelloBox Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
Yellobox K088T232XYG **	32	yes
Yellobox K088T1-----G	29	yes
Yellobox K088T2-----G	32	yes
Yellobox K088T3-----G	51	yes
Yellobox K088T4-----G	41	yes
Yellobox K088T5-----G	56	yes
Yellobox K088T6-----G	41	yes

\*\*Tested as full systems. Individual SSS available on VeraSol website.

Each - can be either 1,2 ,3 ,4,5 or blank,And is used to represent the type and number of light bulbs(1W,2W,3W,3WT)included with the kit; X includes torch; Blank without ; Y includes Radio, blank without ; G represent PAYG mode, Blank without PAYG; ""1""represent 1W lamp, ""2""represent 2W lamp, ""3""represent 3W lamp, ""4""represent 3W Tubelight,

For example:K088T232XYG, Includes 3 pcs 2w Lamp ; 6.4V 6000mAH, Torch, Radio, PAYG mode"□

### **NOTICE:**

The available daily electrical energy (Wh/day) is calculated for fully tested systems following the energy service calculations as described in IEC/TS 62257-9-5 Ed. 4. For products in a family that are not tested as a full system, estimations of available daily electrical energy (Wh/day) are calculated according to an alternative method using data from the test reports of fully-tested products and components.