

VeraSol

Standardized Specifications Book

Manufacturer: Shenzhen Solar Run Energy Co. Ltd.

Component Family Name: YelloBox Family

Date of Standardized Specifications Book Expiration: October 31, 2021

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 the applicable Lighting Global Quality Standards or to meet the requirements in IEC 62257-9-8*.

Quality Standards Framework Version: 2019

Revision: 2021.01

Component-Level Standardized Specifications Sheet

Shenzhen Solar Run Energy Co. Ltd.

YelloBox Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Main Unit with 3000 mAh battery	LiFePO4	6.4	3000	3400
Main Unit with 5200 mAh battery	Li-Ion	7.4	5200	4900
Main Unit with 6000 mAh battery	LiFePO4	6.4	6000	5900
Main Unit with 12 Ah battery	LiFePO4	6.4	12000	12000
Torch Battery	LiFePO4	3.2	600	600

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
8 W PV Module	8	8.3
10/12 W PV Module	10/12	10
20 W PV Module	20	20
Integrated Torch PV Module	0.2	0.18

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
1 W Lamp	100	--	100	--	92	--
2 W Lamp	--	--	165	--	95	--
3 W Lamp	240	--	280	--	110	--
Integrated Light with 3 Ah battery	not tested		not tested		not tested	
Integrated Light with 5.2 Ah battery	140	2	150	25	75	45
Integrated Light with 6 Ah battery	80	--	77	--	81	--
Integrated Light with 12 Ah battery	not tested		not tested		not tested	
Torch (front light)	50	--	56	--	95	--

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 the applicable Lighting Global Quality Standards or the requirements in IEC 62257-9-8. 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).

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

List of Covered Systems

Shenzhen Solar Run Energy Co. Ltd.

YelloBox Family

System Name	Number of each component included in each system										
	1 W Lamp	2 W Lamp	3W Lamp	Main Unit with 3000 mAh Battery and Integrated light	Main Unit with 5200 mAh Battery and Integrated light	Main Unit with 6000 mAh Battery and Integrated light	Main Unit with 12000 mAh Battery and Integrated light	8 W PV module	10/12 W PV module	20W PV module	Torch
YelloBox K088L1 **	4				1			1			
YelloBox K088T1 **	4					1			1		
YelloBox K088L1 *****	0-4	0-4	0-4		1			1			
YelloBox K088T1 *****	0-4	0-4	0-4			1			1		
YelloBox K088T2 *****	0-4	0-4	0-4	1				1			
YelloBox K088T3 *****	0-4	0-4	0-4			1			1		
YelloBox K088T4 *****	0-4	0-4	0-4				1		1		1
YelloBox K088T5 *****	0-4	0-4	0-4				1			1	1

**Tested as full systems. Individual SSS available on the 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) included with the kit, For example: K088T1212213, Includes 2 pcs 1 w lamp, 2 pcs 2w Lamp, 1pcs 3w Lamp

NOTICE:

Only the YelloBox K088 L1, YelloBox K088 T1, and were fully tested as systems according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the YelloBox K088 L1, the YelloBox K088 T1, and the at <https://data.verasol.org/products/sek/> 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 the applicable Lighting Global Quality Standards or the requirements in IEC 62257-9-8.

Unless otherwise noted, the following information applies to all listed systems and components:

Warranty Information

One-year warranty on the K088-L1 and two-year warranty on the K088-T1, K088-T2, K088-T3, K088-T4 and K088-T5.