

# VeraSol

## Standardized Specifications Book

**Manufacturer:** Shenzhen Solar Run Energy Co. LTD

**Component Family Name:** SR06 Family

**Date of Standardized Specifications Book Expiration:** December 31, 2022

**Verify Online:** [www.verasol.org/products/ssr-SR06family](http://www.verasol.org/products/ssr-SR06family)

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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.

**Revision:** 2021.12

# Component-Level Standardized Specifications Sheet

Shenzhen Solar Run Energy Co. LTD

SR06 Family

## Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
Main unit with 3.6 Ah battery	Lithium iron phosphate	6.4	2.00	3.6
Main unit with 6.2 Ah battery	Lithium iron phosphate	6.4	6	6.2

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
6 W PV module	6	6.1
10 W PV module	10	10

## Light Sources\*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	$\varnothing$	$\varnothing$	$\varnothing$
1 W LED lamp	120	140	130
2 W LED lamp	180	170	130
Tubelight (3 W)	300	320	120

**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

### SR06 Family

System Name	Number of each component included in each system						
	1 W LED Lamp	2 W LED Lamp	3 W Tubelight	Main Unit with 3.6 Ah battery	Main Unit with 6 Ah battery	6 W PV module	10 W PV module
<b>SR06A**</b>	3				1		1
<b>SR06A*****</b>	0-4	0-4	0-1		1		1
<b>SR06B*****</b>	0-4	0-4	0-1	1		1	

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

A= 6 Ah battery

B=3.6 Ah battery

\*\*\*\*\*: 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,tubelight) included with the kit, For example:SR06A112213,Includes 1 pcs 1 w lamp, 2 pcs 2w bulbs , 1pcs 3w tubelight

#### **NOTICE:**

Only the Solar Home Lighting System (SR06A) was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Solar Home Lighting System (SR06A)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**

**Two-year warranty on SR06 and two-year warranty on all other kits and components**

# List of Covered Systems

Shenzhen Solar Run Energy Co. LTD

SR06 Family

System Name	Number of each component included in each system																			
	Light Bulb	Tube Light	3 W PV Module	Shenzhen Solar Run Energy Co. LTD	8 W PV Module	10 W PV Module	3.7 V/4Ah (Lithium Ion)	3.7 V/4400mAh (Lithium Ion)	3.7 V/6Ah (Lithium Ion)	3.7 V/8Ah (Lithium Ion)	Torch TK002	Radio TK002								
Home Sunshine**	2	1				1					1	1								
Home Sunshine TK002-03-00	2		1																	
Home Sunshine TK002-03-01	2		1																	
Home Sunshine TK002-03-02	2		1				1				1									
Home Sunshine TK002-03-03	2		1				1					1								
Home Sunshine TK002-03-04	1	1	1				1													
Home Sunshine TK002-05-05	2			1					1											
Home Sunshine TK002-05-06	2			1					1			1								
Home Sunshine TK002-05-07	2			1					1		1									
Home Sunshine TK002-05-08	2			1					1		1	1								
Home Sunshine TK002-05-09	1	1		1					1											
Home Sunshine TK002-05-10	2	1		1					1											
Home Sunshine TK002-05-11	2	1		1					1		1									
Home Sunshine TK002-05-12	2	1		1					1			1								
Home Sunshine TK002-05-13		2		1					1											
Home Sunshine TK002-05-14	1	2		1					1											
Home Sunshine TK002-05-15	3			1					1											
Home Sunshine TK002-05-16	3			1					1		1									
Home Sunshine TK002-05-17	3			1					1			1								

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

**NOTICE:**

Only the Solar Home Lighting System (SR06A) was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Solar Home Lighting System (SR06A) at <https://data.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 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**

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# Available Daily Electrical Energy and Port Information

Shenzhen Solar Run Energy Co. LTD

SR06 Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
SR06A**	30	yes
SR06A*****	30	yes
SR06B*****	20	yes

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

## **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. Estimating Wh/day values requires making assumptions about system efficiencies, power consumption, and user behavior. As with any calculation based on multiple assumptions, there is some degree of error in the Wh/day estimate, which may be greater or less than the actual value for a given product.