# VeraSol
# Standardized Specifications Book

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

**Component Family Name:** SR06 Family

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

**Verify Online:** https://data.verasol.org/products/sek/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 IEC TS 62257-9-8.

**Quality Standards Framework Version:** 2023
**Revision:** 2025.04

# 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 (mAh) | Measured Battery Capacity (mAh) |
|---|---|---|---|---|
| Main Unit with 3.6 Ah battery | Lithium iron phosphate | 6.4 | 3600 | 3600 |
| Main Unit with 6 Ah battery | Lithium iron phosphate | 6.4 | 6000 | 6200 |
| 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) |
|---|---|---|
| 6 W PV module | 6 | 6.1 |
| 10 W PV module | 10 | 10 |
| 12 W PV module | 12 | not tested |
| 15 W PV module | 15 | 15 |

### Light Sources*

| Name / Model Number | Luminous Flux Rating (lm) | Measured Luminous Flux (lm) | Measured Lamp Efficacy (lm/W) |
|---|---|---|---|
| | On | On | On |
| 1 W LED lamp | 150 | 140 | 130 |
| 2 W  Lamp ( 9 LEDs, 2 settings) | 240 | 240 | 130 |
| Tubelight | 300 | 320 | 120 |
| 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 with a 3.7 V internal battery | 3 | 0.33 | 1500 | 2000 |

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

**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).

# 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 bulb | 2 W lamp (9 LEDs, 2 settings) | 3 W tubelight | Main battery (6000 mAh) | Main battery (3600 mAh) | 6 W PV module | 10W PV module | 12 W PV module | 15 W PV module | Radio | Torch (3.2V, 400 mAh) |
| SR06A31XY ** | 3 | -- | -- | 1 | -- | -- | 1 | -- | -- | 1 | 1 |
| SR06A******XY | 0-4 | 0-4 | 0-1 | 1 | -- | -- | 1 | -- | -- | 0-1 | 0-1 |
| SR06A******XY1 | 0-4 | 0-4 | 0-1 | 1 | -- | -- | -- | 1 | -- | 0-1 | 0-1 |
| SR06B******XY | 0-4 | 0-4 | 0-1 | -- | 1 | 1 | -- | -- | -- | 0-1 | 0-1 |
| SR06B******XY1 | 0-4 | 0-4 | 0-1 | -- | 1 | -- | 1 | -- | -- | 0-1 | 0-1 |
| SR06C******XY | 0-4 | 0-4 | 0-1 | 1 | -- | -- | -- | -- | 1 | 0-1 | 0-1 |

**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 bulbs(1W,2W,3W)included with the kit, X indicates the kit includes a radio and Y indicates the kit includes a torch. For example:SR06A112213XY,Includes 1 pcs 1 w lamp, 2 pcs 2w bulbs , 1pcs 3w tubelight,1pcs Radio,1pcs Torch

**NOTICE:**

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. 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.

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

**Warranty Information**

A 3-year warranty covering manufacturing defects in the system including the torch.  A 1-year warranty for the charge cable and radio.

# Available Daily Elelctrical Energy and Port Information
## Shenzhen Solar Run Energy Co. LTD
## SR06 Family

| System Name | Available Daily Electrical Energy (Wh/day) | Includes ports for charging? |
|---|---|---|
| SR06A31XY** | 23 | yes |
| SR06A******XY | 23 | yes |
| SR06B******XY | 19 | yes |
| SR06C******XY | 39 | yes |

**Tested as full systems. 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. |