

VeraSol

Standardized Specifications Book

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

Brand Name: Solar Run

Component Family Name: SR06 Family

Family Expiration Date: December 31, 2026

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

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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 5 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: 2025

Revision: 2025.09

Component-Level Standardized Specifications Sheet

Shenzhen Solar Run Energy Co., Ltd.
SR06 Family

Batteries / Control Boxes													
Name / Model Number		Battery Chemistry		Nominal Voltage (V)		Battery Capacity Rating (mAh)		Measured Battery Capacity (mAh)					
6 Ah main unit battery		Lithium iron phosphate		6.4		6200		6000					
3.6 Ah main unit battery		Lithium iron phosphate		6.4		3600		3600					
Torch battery		Lithium iron phosphate		3.2		600		600					
Radio battery		Lithium ion		3.7		1500		1900					
PV Modules													
Name / Model Number		Peak Power at STC Rating (W)				Measured Peak Power at STC (W)							
6 W monocrystalline PV module		6				6.5							
10 W monocrystalline PV module		10				10							
15 W monocrystalline PV module		15				15							
Light Sources^													
Name / Model Number		Luminous Flux Rating (lm)				Measured Luminous Flux (lm)				Measured Lamp Efficacy (lm/W)			
		high	low	on	torch	high	low	on	torch	high	low	on	torch
1 W bulb		-	-	120	-	-	-	130	-	-	-	180	-
2 W bulb		240	120	-	-	240	not tested	-	-	170	not tested	-	-
3 W tubelight		-	-	360	-	-	-	390	-	-	-	130	-
Torch (SR03)		-	-	-	60	-	-	-	59	-	-	-	100
1.2 W bulb		170	-	-	-	190	-	-	-	170	-	-	-
Appliances^													
Name / Model Number	Description	Rated Power (W)		Measured Power During Use (W)		Rated Battery Capacity (mAh)		Measured Battery Capacity (mAh)					
Torch (SR03)	59 lumens torch, (LiFePO4 battery; 0.6 Ah, 3.2 V)	--		0.39		600		600					
Radio (F170)	Portable radio (Li-ion battery, 1.9 Ah, 3.7 V) with power consumption of 0.44 W while in use	--		0.44		1500		1900					

^ 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 5 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 62257-9-8:2025. 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

Number of each component included in each system											
System Name	6 Ah main unit	3.6 Ah main unit	6 W monocrys talline PV module	10 W monocrys talline PV module	15 W monocrys talline PV module	1 W bulb	2 W bulb	3 W tubelight	1.2 W bulb	Torch	Radio
Solar Home Lighting System (SR06A31XY) **	1	--	--	1	--	3	--	--	--	1	1
SR06A*****X	1	--	--	1	--	0-4	0-4	0-1	0-4	0-1	0-1
SR06B*****X	--	1	1	--	--	0-4	0-4	0-1	0-4	0-1	0-1
SR06C*****X	1	--	--	--	1	0-4	0-4	0-1	0-4	0-1	0-1
**Tested as full systems. Individual SSS available on VeraSol website.											

The letter after "6" represents the following:
A = 6 Ah main unit & 10 W PV, B = 3.6 Ah main unit & 6 W PV, C = 6 Ah main unit & 15 W PV
First number = number of bulbs
Second number = Bulb type: "1" represents the 1W bulb, "2" represents the 1.2 W bulb, "3" represents the 2W bulb, "4" represents the 3W tubelight
X includes torch; blank without
Y includes Radio; blank without
For example: SR06C3113XY Includes 3 pcs of the 1 W Lamp, 1 3 W tubelight, a 6.4V 6000 Ah main unit, Torch, Radio, and a 15 W PV module

NOTICE:

Only the kits denoted with ** were tested as full systems according to Edition 5 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 TS 62257-9-8:2025.

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

Warranty Information

A 2-year warranty covering manufacturing defects in the system and 1-year warranty for the radio.

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?
Solar Home Lighting System (SR06A31XY)**	26	yes
SR06A*****X	26	yes
SR06B*****X	19	yes
SR06C*****X	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 Edition 5. 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.