

# VeraSol Standardized Specifications Book

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

**Component Family Name:** WeLite Family

**Date of Standardized Specifications Book Expiration:** November 30, 2022

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

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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.

**Quality Standards Framework Version:** 2020

**Revision:** 2020.12

# Component-Level Standardized Specifications Sheet

Shenzhen Solar Run Energy Co. Ltd.

WeLite Family

## Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
3300 mAh	Lithium iron phosphate	3.2	3.3	3.4
6000 mAh	Lithium iron phosphate	3.2	6	5.9
600 mAh Torch battery	Lithium iron phosphate	3.2	0.6	0.58

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
3 W PV module	3	3.2
5.5 W PV module	5.5	4.9

## Light Sources\*

Name / Model Number	Luminous Flux Rating (lm)				Measured Luminous Flux (lm)				Measured Lamp Efficacy (lm/W)			
	High Mode	Medium Mode	Low Mode (Or Reading Light)	Night Light Mode	High Mode	Medium Mode	Low Mode (Or Reading Light)	Night Light Mode	High Mode	Medium Mode	Low Mode (Or Reading Light)	Night Light Mode
Integrated Solar Lantern A	300	200	120	15	320	- not tested -			100	- not tested -		
Integrated Solar Lantern B	300	200	120	--	320				110			
LED bulb	100	--	--	--	34				160			
Torch	60	--	20	--	60	--	20	--	150	--	70	--

## Appliances\*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
Radio	portable radio with 3.7 V internal battery	--	0.44	1500	1900

**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. 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.

WeLite Family

System Name	Number of each component included in each system						P or ta bl
	Integrated Lamp B with 3.3 Ah Battery	Integrated Lamp A with 6 Ah Battery	3 W PV Module	5.5 W PV Module	LED Bulb	Torch	
<b>WeLite Solar Lantern (SR12A)**</b>	--	1	--	1	1	1	--
<b>SR12B</b>	1	--	1	--	--	1	--
<b>SR12C</b>	2	--	--	1	--	1	--
<b>SR12D</b>	--	2	--	2*	2	1	1

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

\*The two 5.5 W PV modules are not connected together in series or parallel, but instead charge the two integrated lamps individually.

## **NOTICE:**

Only the WeLite Solar Lantern (SR12A) was fully tested as a system according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) which reports system-level performance is available for the WeLite Solar Lantern (SR12A) 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.

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

## **Warranty Information**

Two year warranty on all kits and components

## **Marks and Certifications**

Factory certification	ISO 9001:2015, ISO 14001:2015
Safety certification	ISO 45001:2018

# Available Daily Electrical Energy

Shenzhen Solar Run Energy Co. Ltd.

WeLite Family

System Name	Available Daily Electrical Energy (Wh/day)
SunShine Kit 1	
SunShine Kit 2	
SunShine Kit 3	
SunShine Kit 4	
SunnyKit1**	
SunnyKit2**	
SunnyKit3**	
SunnyKit4	

\*\*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.