VeraSol
Standardized Specifications Book

Manufacturer: Shenzhen Solar Run Energy Co. Ltd.

Component Family Name: WeLite Family

Date of Standardized Specifications Book Expiration: January 31, 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	- not tested -			110	- not tested -		
LED bulb	100	--	--	--	34	- not tested -			160	- not tested -		
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

List of Covered Systems

Shenzhen Solar Run Energy Co. Ltd.

WeLite Family

System Name	Number of each component included in each system					
	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
WeLite Solar Lantern (SR12A)**	--	1	--	1	1	1
SR12B	1	--	1	--	--	1
SR12C	2	--	--	1	--	1
SR12D	--	2	--	2*	2	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 individually.

NOTICE:

Only the WeLite Solar Lantern (SR12A) was fully tested as a system according to Edition 4 of IEC 62257-9-5. Indivi Standardized Specifications Sheets (SSS) which reports system-level performance is available for the WeLite Solar (SR12A) at https.data.verasol.org/products/sek/ Systems that were not tested, but that were developed using comp from the component family will perform differently than the system(s) shown in the individual system-level SSS. All s listed above are regarded to have passed the applicable Lighting Global Quality Standards.
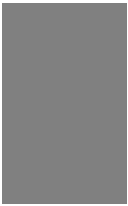
Unless otherwise noted, the following information applies to all listed systems and components:

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

Portable Radio
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