VeraSol
Standardized Specifications Book

Manufacturer: Sinoware Technology Co., Ltd.

Component Family Name: Sinoware SunAce II Family

Date of Standardized Specifications Book Expiration: September 30, 2022

Verify Online: https://data.verasol.org/products/sek/sino-safamily

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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: 2021.04

Component-Level Standardized Specifications Sheet
Sinoware Technology Co., Ltd.
Sinoware SunAce II Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
3.2V/ 1500 mAh battery	Lithium iron phosphate	3.2	1.5	1.6
3.2V/ 3000 mAh battery	Lithium iron phosphate	3.2	3.2	3.2

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
3 W PV module	3	2.7
4 W PV module	4	--
6 W PV module	6	--
10 W PV module	10	8.5

Light Sources*

Name / Model Number	Luminous Flux Rating (lm) High	Measured Luminous Flux (lm) High	Measured Lamp Efficacy (lm/W) High
Main Lamp/ Lamp A (with 3000 mAh battery)	240	250	150
Lamp B/ Lamp C (with 1500 mAh battery)	not rated	120	140
Torch	not rated	22	110

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
Torch/Remote	A portable torch/remote with a 3.2 V lithium iron phosphate battery	--	0.2	0.5	0.5

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
Sinoware Technology Co., Ltd.
Sinoware SunAce II Family

System Name	Number of each component included in each system								
	Main Lamp/ Lamp A (with 3000 mAh battery)	Lamp B (with 1500 mAh battery)	Lamp C (with 1500 mAh battery and port)	3 W PV module	4 W PV module	6 W PV module	10 W PV module	Hub connector	Torch/ Remote control
SunAce I	1			1					
Flexx10 (Bboxx)**	1			1					
SunAce II***	1			1					1
SunAce-02	1		1		1			1	1
SunAce-03	1-2	0-2	0-2			1		1	1
SunAce-04	1-2	0-3	0-3				1	1	1

** The SunAce I is co-branded by Bboxx under the product name Flexx10 and is equivalent to the Sinoware version. For more details, please visit the product's listing at: https://data.verasol.org/products/sek/bb-sa1
*** Tested as full system. Individual SSS available on VeraSol website.

NOTICE:

Only the SunAce II 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 SunAce II 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

A one-year warranty covering manufacturer defects unless a longer warranty period is otherwise noted in the documentation provided with the product.

Marks and Certifications

Factory certification	ISO 9001:2015