VeraSol
Standardized Specifications Book

Company Name: StarTimes Software Technology Co., Ltd.

Brand Name: StarTimes

Component Family Name: S50 Family

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Verify Online: https://data.verasol.org/products/sek/st-s50family

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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: 2024
Revision: 2024.07

Component-Level Standardized Specifications Sheet
StarTimes Software Technology Co., Ltd.
S50 Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
4 Ah battery	Lithium iron phosphate	9.6	4000	4050

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
10 W PV module (PV10W)	10	10
11 W PV modules (PV11W)	11	not tested
15 W PV module (PV15W)	15	13
2x 11 W PV modules (PV11W)	22	23

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	High	High	High
Hanging Lamp	130	120	120

*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
StarTimes Software Technology Co., Ltd.
S50 Family

System Name	Number of each component included in each system				
	4 Ah main unit	10 W PV module	11 W PV module	15 W PV module	Hanging Lamp
S50º **	1	1	--	--	3
S50Aº	1	--	1	--	3
S50Bº	1	--	2	--	3
S50Cº	1	--	--	1	3

**Tested as full systems. Individual SSS available on VeraSol website.
ºKit has PAYG function

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 2-year warranty for the main unit with the battery and integrated radio, and the included hanging lamps; a 1-year warranty for the included USB charging cables (optional); and a 5-year warranty for the PV module.

Available Daily Electrical Energy and Port Information
StarTimes Software Technology Co., Ltd.
S50 Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
S50º**	26	yes
S50Aº	32	yes
S50Bº	41	yes
S50Cº	37	yes

**Tested as full systems. Individual SSS available on VeraSol website.

ºKit has PAYG function

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.