

VeraSol

Standardized Specifications Book

Company Name: StarTimes Software Technology Co., Ltd.

Brand Name: StarTimes

Component Family Name: S130 Family

Family Expiration Date: February 28, 2027

Verify Online: <https://data.verasol.org/products/sek/st-st130family>

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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: 2025

Revision: 2025.03

Component-Level Standardized Specifications Sheet

StarTimes Software Technology Co., Ltd.

S130 Family

Batteries / Control Boxes

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
8 Ah main unit battery	Lithium iron phosphate	12.8	8000	8000
12 Ah main unit battery	Lithium iron phosphate	12.8	12000	12000

PV Modules

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
30 W PV module	30	29
50 W PV module	50	53
65 W PV module	65	65

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	high	low	high	low	high	low
1.1 W LED lamp	130	--	120	60	120	110

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.

S130 Family

System Name	Number of each component included in each system					
	1.1 W LED lamp	8 Ah main unit	12 Ah main unit	30 W PV module	50 W PV module	65 W PV module
S130A [†]	4	--	1	--	--	1
S130 ^{†**}	4	--	1	--	1	--
S100A [†]	4	1	--	--	1	--
S100 [†]	4	1	--	1	--	--

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

[†] Kit is available with and without PAYG feature.

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

2-year warranty for the main unit, charging cable, and lights. 5-year warranty for the PV module.

Available Daily Electrical Energy and Port Information

StarTimes Software Technology Co., Ltd.

S130 Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
S130A[†]	187	yes
S130^{†**}	176	yes
S100A[†]	125	yes
S100[†]	93	yes

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

† Kit is available with and without PAYG feature.

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.