

VeraSol

Standardized Specifications Book

Company Name: SolarWorX GmbH

Brand Name: SolarWorX

Component Family Name: Solego Family

Family Expiration Date January 31, 2026

Verify Online: <https://data.verasol.org/products/sek/swx-family>

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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: 2025.05

Component-Level Standardized Specifications Sheet

SolarWorX GmbH

Solego Family

Batteries / Control Boxes

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
16 Ah battery	Lithium iron phosphate	12.8	15600	15300
8 Ah battery	Lithium iron phosphate	12.8	7800	7650

PV Modules

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
50 W PV module	50	46
25 W PV module	25	25

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	On	On	On
1 W lamp	108	120	130
2 W lamp	215	240	130
4 W lamp	430	450	110

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
32" TV	32" diagonal television (11 W power consumption while in use)	12	11	--	--

* 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

SolarWorX GmbH

Solego Family

System Name	Number of each component included in each system									
	16 Ah main unit	8 Ah main unit	16 Ah Extension Pack	8 Ah Extension Pack	1 W lamp	2W lamp	4 W lamp	32" TV	50 W PV module	25 W PV module
Solego 200 DC Solar Power System [°] **	1	--	1	--	1	2	2	1	2	--
Solar Home & Entertainment kit [°]	1	--	0-2	0-2	0-10	0-10	0-10	0-1	1-4	--
Solar lighting kit [°]	--	1	0-2	0-2	0-10	0-10	0-10	0-1	0-2	0-2

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

[°] Kit has PAYG function.
The kits can come with 1-10 lamps in any combination of the 1, 2, and 4 W lamps.

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 covering manufacturing defects in the system for the solar controller, cables and lights, and a 5 year warranty for the PV module. A 1-year warranty is also provided for any other appliances.

Available Daily Electrical Energy and Port Information

SolarWorX GmbH

Solego Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
Solego 200 DC Solar Power System^{***}	470	yes
Solar Home & Entertainment kit[°] (16 Ah, 8 Ah extension, 2 50 W PVs)	310	yes
Solar Home & Entertainment kit[°] (16 Ah, 50 W PV)	160	yes
Solar lighting kit[°] (8 Ah, 25 W PV)	79	yes

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

[°] Kit has PAYG function.

The kits can come with 1-10 lamps in any combination of the 1, 2, and 4 W lamps.

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.