

VeraSol

Standardized Specifications Book

Company Name: Engie Mobisol GmbH

Brand Name: MySol

Component Family Name: MySol SHS Family

Family Expiration Date: October 31, 2025

Verify Online: <https://data.verasol.org/products/sek/ms-shsfamily>

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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: 2025.03

Component-Level Standardized Specifications Sheet

Engie Mobisol GmbH

MySol SHS Family

Batteries / Control Boxes

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
35 Ah Solar Battery and Controller	Sealed Lead-acid	12	35000	35000
50 Ah Solar Battery and Controller	Sealed Lead-acid	12	50000	54000
100 Ah Solar Battery and Controller	Sealed Lead-acid	12	100000	130000
Torch battery	Lithium ion	3.6	2600	2600

PV Modules

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
80 W (mono-Si) PV module	80	80
80 W (poly-Si) PV module	80	76
120 W (mono-Si) PV module	120	120
120 W (poly-Si) PV module	120	not tested
200 W (mono-Si) PV module	200	200
200 W (poly-Si) PV module	200	200

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	On	Brighter	On	Brighter	On	Brighter
2 W Bulb	200	--	300	--	140	--
Torch	--	140	--	130	--	110

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
Radio	Portable radio (Li-ion battery, 1 Ah, 3.6 V), with a power consumption of 0.36 W while in use	1.4	0.36	1100	1100
24" TV	24" diagonal (8.4 W power consumption while in-use)	11	8.3	--	--
32" TV	32" diagonal (14 W power consumption while in-use)	18	14	--	--
43" TV	32" diagonal (16 W power consumption while in-use)	30	16	--	--

* 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

Engie Mobisol GmbH

MySol SHS Family

System Name	Number of each component included in each system										Torch	Radio	24" TV	32" TV	43" TV
	2 W Bulb	35 Ah Solar Battery and Controller	50 Ah Solar Battery and Controller	100 Ah Solar Battery and Controller	80 W (mono-Si) PV module	80 W (poly-Si) PV module	120 W (mono-Si) PV module	120 W (poly-Si) PV module	200 W (mono-Si) PV module	200 W (poly-Si) PV module					
MySol 80W (35Ah)	3 - 12	1	--	--	0-1	0-1	--	--	--	--	1	1	--	--	--
MySol 80W TV 24" (35Ah)	4 - 12	1	--	--	0-1	0-1	--	--	--	--	1	1	1	--	--
MySol 80W TV 32" (35Ah)	4 - 12	1	--	--	0-1	0-1	--	--	--	--	1	1	--	1	--
MySol 120W (35Ah)	4 - 12	1	--	--	--	--	0-1	0-1	--	--	1	1	--	--	--
MySol 120W TV 24" (35Ah)	4 - 12	1	--	--	--	--	0-1	0-1	--	--	1	1	1	--	--
MySol 120W TV 32" (35Ah) **	4	1	--	--	--	--	1	--	--	--	1	1	--	1	--
MySol 120W TV 43" (35Ah)	4 - 12	1	--	--	--	--	0-1	0-1	--	--	1	1	--	--	1
MySol 80W (50Ah)	3 - 12	--	1	--	0-1	0-1	--	--	--	--	1	--	--	--	--
MySol 80W TV 24" (50Ah)	4 - 12	--	1	--	0-1	0-1	--	--	--	--	1	1	1	--	--
MySol 120W (50Ah)	3 - 12	--	1	--	--	--	0-1	0-1	--	--	--	1	--	--	--
MySol 120W TV 24" (50Ah)	4 - 12	--	1	--	--	--	0-1	0-1	--	--	--	--	1	--	--
MySol 120W TV 32" (50Ah)	4 - 12	--	1	--	--	--	0-1	0-1	--	--	--	1	--	1	--
MySol 120W TV 43" (100Ah)	4 - 12	--	--	1	--	--	0-1	0-1	--	--	--	--	--	--	1
MySol 200W (100Ah)	3 - 12	--	--	1	--	--	--	--	0-1	0-1	--	1	--	--	--
MySol 200W TV 24" (100Ah)	4 - 12	--	--	1	--	--	--	--	0-1	0-1	--	1	1	--	--
MySol 200W TV 32" (100Ah)	4 - 12	--	--	1	--	--	--	--	0-1	0-1	--	1	--	1	--
MySol 200W TV 43" (100Ah)	4 - 12	--	--	1	--	--	--	--	0-1	0-1	--	--	--	--	1
MySol 200W TV 32" (100Ah) (Torch)	4-12	--	--	1	--	--	--	--	0-1	0-1	0-1	1	--	1	--
MySol 200W TV 43" (100Ah) (Torch)	4-12	--	--	1	--	--	--	--	0-1	0-1	0-1	--	--	--	1
MySol 80W TV 32" (50Ah)	4-12	--	1	--	0-1	0-1	--	--	--	--	--	1	--	1	--
MySol 120W 43" (50Ah)	4-12	--	1	--	--	--	0-1	0-1	--	--	--	--	--	--	1

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

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 battery, charge controller, PV modules, TVs, and lights. A 1-year warranty for all additional accessories.

Available Daily Electrical Energy and Port Information

Engie Mobisol GmbH
MySol SHS Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
MySol 120 W TV 32" (35 Ah)**	242	yes
MySol 200 W TV 32" (100 Ah) (Torch)	590	yes
MySol 80 W TV 32" (35 Ah)	230	yes

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

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.