

VeraSol

Standardized Specifications Book

Manufacturer: Engie Mobisol Gmbh

Component Family Name: MySol Power 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: 2023

Revision: 2023.11

Component-Level Standardized Specifications Sheet

Engie Mobisol GmbH

MySol Power Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
Volta 25 Wh Battery	Lithium ion	3.6	7900	7600
Vega 25 Wh Battery*	Lithium ion	3.6	7900	7600
Lyra 108 Wh Battery	Lithium ion	14.4	7800	7900
Torch Battery	Lithium ion	3.6	2600	2550
Radio Battery	Lithium ion	3.7	1000	998

*The Vega 25 Wh main unit contains the same battery as the Volta main unit and the same ports regulation as the Lyra main unit

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
10 W PV Module	10	10
40 W PV Module*	40	42

*The 40 W PV module is comprised of two 20 W PV modules connected in parallel

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
LED Light	215	--	190	99	110	90
Torch (A0001)	140	--	130	--	110	--

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
24" TV	24" diagonal TV	11	8.5	--	--
32" TV	32" diagonal TV	18	14	--	--
Torch	130 lumens torch, (Li-ion battery: 2550 mAh, 3.6 V)	1.1	1.2	2600	2550
Radio	Portable radio with 3.6 V battery	1.4-4.7	0.36	1000	1000

*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

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MySol Power Family

System Name	Number of each component included in each system									
	LED Light (A0019)	Volta Power System with 25 Wh battery	Vega Power System with 25 Wh battery	Lyra Power System with 108 Wh battery	10 W PV	40 W PV	24" TV	32" TV	Torch	Radio
MySol 10W 2 C Solar Home System **	2	1	--	--	1	--	--	--	1	--
MySol 10W 3 RC Solar Home System	3	1	--	--	1	--	--	--	--	1
MySol Boost (10W 2 R C)	2	--	1	--	1	--	--	--	1	1
MySol Boost (10W 3 R C)	3	--	1	--	1	--	--	--	--	1
MySol Pro (40W 2 R C F) **	2	--	--	1	--	1	--	--	1	1
MySol Pro (40W TV 24")	2	--	--	1	--	1	1	--	1	--
MySol Pro (40W TV 32")	2	--	--	1	--	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 3-year warranty for the main unit and PV, 2-year warranty for lights, cables, radio, and TVs, and 1-year warranty for torch

Available Daily Electrical Energy and Port Information

Engie Mobisol Gmbh
MySol Power Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
MySol 10W 2 C Solar Home System**	22	yes
MySol 10W 3 RC Solar Home System	22	yes
MySol Boost (10W 2 R C)	22	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.