

Lighting Global Standardized Specifications Book

Manufacturer: Engie Mobisol GmbH

Component Family Name: Mobisol Solar Television System Family

**Date of Standardized
Specifications Book Expiration:** January 31, 2021

Verify Online: www.lightingglobal.org/products/mb-stsf

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This Lighting Global 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 latest version of the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocol for Solar Home System Kits, as applicable. 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 the applicable Lighting Global Quality Standards.

Quality Standards Framework Version: 2018

Revision: 2018.07

Component-Level Standardized Specifications Sheet

Engie Mobisol GmbH

Mobisol Solar Television System Family Family

Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
22" TV with integrated battery*	6400	6600

*The Mobisol systems are pay-as-you-go (PAYG) enabled.

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
40 Wp Solar Panel	40	40

Light Sources

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	On	On	On
2 W bulb	200	200	102
1 W bulb	110	120	108
Power Saving Solar Light	200	200	102

Appliances

Name / Model Number	Description	Rated Power (W)	Measured Power (W)	Rated Battery Capacity (mAh)	Measured Battery Capacity (mAh)
22" TV with integrated battery*	integrated with main product battery	15.5	13.6	6400	6600

*Television offers 3 different brightness modes rated at 8.5 W, 11 W and 15.5 W (tested 6.6 W, 9.0 W and 13.6 W).

NOTICE: As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocols for Solar Home System Kits. However, based on the satisfactory performance of the tested components in the family, the components that were not tested are regarded to have passed the applicable Lighting Global Quality Standards. 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

Mobisol Solar Television System Family Family

System Name	2 W bulbs	1 W bulbs	Power Saving Solar Lights	22" TV with integrated battery	40 Wp Solar Panel
Solar Television System - 6 lights*			6	1	1
Solar Television System - 3 bulbs	1	2		1	1
Solar Television System - 2 bulbs	2			1	1

*Tested as a full system. Individual SSS available on Lighting Global website.

NOTICE:

Only the Mobisol Solar Television System (with 6 Power Saving Lamps) was fully tested as a system according to the Quality Test Method (QTM) in IEC 62257-9-5 or the Lighting Global Quality Assurance Protocol for Solar Home System Kits, as applicable. An individual Standardized Specifications Sheet (SSS) that report system-level performance is available for the Mobisol Solar Television System (with 6 Power Saving Lamps) at www.lightingglobal.org/products. 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 the applicable Lighting Global Quality Standards.

Unless otherwise noted, the following information applies to all listed systems and components:

Warranty Information

Two or three years for the main unit with TV, lights and TV antenna, one year for the phone charging cables.

Marks and Certifications

Factory certification	ISO 9001:2008, ISO 14001
Other certification	PV panels tested in accordance with IEC 61215; Battery: IEC 61960; STS: IEC 60065