

VeraSol

Standardized Specifications Book

Manufacturer: JUA Energy Co., Ltd.

Component Family Name: Home Mate H4 Family

Date of Standardized Specifications Book Expiration: September 30, 2022

Verify Online: <https://data.verasol.org/products/sek/jua-h4family>

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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 the applicable Lighting Global Quality Standards.

Quality Standards Framework Version: 2020

Revision: 2020.09

Component-Level Standardized Specifications Sheet

JUA Energy Co., Ltd.

Home Mate H4 Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
150 Wh battery	Lithium iron phosphate	12.8	11.7	12
220 Wh battery	Lithium iron phosphate	12.8	17.2	18
300 Wh battery	Lithium iron phosphate	12.8	23.4	24

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
60 W PV Module	60	58
80 W PV Module	80	74
100 W PV Module	100	96

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)		Measured Luminous Flux (lm)		Measured Lamp Efficacy (lm/W)	
	High	Low	High	Low	High	Low
200 lm lamp	200	not tested	220	not tested	100	not tested
300 lm lamp	300		310		110	
500 lm lamp	500		550		110	

Appliances*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
16" Fan	16" standing fan	--	10	--	--
24" TV	24" diagonal	12	11	--	--

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 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).

*Light points and appliances may perform differently when used with different systems.

List of Covered Systems

JUA Energy Co., Ltd.

Home Mate H4 Family

System Name	Number of each component included in each system										
	200 lm lamp	300 lm lamp	500 lm lamp	60 W PV Module	80 W PV Module	100 W PV Module	Main unit with 150 Wh Battery	Main Unit with 220 Wh Battery	Main Unit with 300 Wh Battery	24" TV	16" Fan
H4-150	4		1	1			1			1	1
H4G-150	4		1	1			1			1	1
H4-220		3	2		1			1		1	1
H4G-220**		3	2		1			1		1	1
H4-300			5			1			1	1	1
H4G-300			5			1			1	1	1

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

NOTICE:

Only the H4G-220 was fully tested as a system according to Edition 4 of IEC 62257-9-5. An individual Standardized Specifications Sheet (SSS) that reports system-level performance is available for the H4G-220 at <https://data.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 the applicable Lighting Global Quality Standards.

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

Warranty Information

Two year warranty on all kits and components

Marks and Certifications

Factory certification

ISO 9001:2008