

# Lighting Global Standardized Specifications Book

**Manufacturer:** Shanghai EASY Renewable Energy Co., Ltd

**Component Family Name:** VEK Family

**Date of Standardized Specifications Book Expiration:** December 31, 2020

**Verify Online:** <http://www.lightingglobal.org/products/sez-VEKfamily>

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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:** 2018.12

# Component-Level Standardized Specifications Sheet

Shanghai EASY Renewable Energy Co., Ltd

VEK Family Family

## Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
VEK-8L battery	16000	16000
VEK-4L battery	8000	8100

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
VEK-8L	10	10
VEK-4L	5	5.3

## Light Sources

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	ON	ON	ON
2 W lamp	180	190	94

**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

Shanghai EASY Renewable Energy Co., Ltd

VEK Family Family

System Name	Number of each component included in each system				
	2 W lamp	16000 mAh battery	8100 mAh battery	5 W PV module	10 W PV module
VEK-8L**	2	1			1
VEK-4L	2		1	1	

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

## **NOTICE:**

Only the VEK-8L 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. Individual Standardized Specifications Sheet (SSS) that reports system-level performance is available for the VEK-8L at [www.lightingglobal.org/products](http://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 year warranty on all kits and components