

Lighting Global Standardized Specifications Book

Manufacturer: Shanghai EASY Renewables Tech Co., Ltd

Component Family Name: Venus SHS Family

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

Verify Online: www.lightingglobal.org/products/sez-SHSfamily

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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 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: 2019

Revision: 2019.08

Component-Level Standardized Specifications Sheet

Shanghai EASY Renewables Tech Co., Ltd

Venus SHS Family Family

Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
133 Wh battery	Lithium-ion (NMC)	11.1	12	13
200 Wh battery	Lithium-ion (NMC)	11.1	18	--
266 Wh battery	Lithium-ion (NMC)	11.1	24	26
400 Wh battery	Lithium-ion (NMC)	11.1	36	--
600 Wh battery	Lithium-ion (NMC)	11.1	54	--
800 Wh battery	Lithium-ion (NMC)	11.1	72	77

PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
Venus Solar 50 W PV module	50	60
Venus Solar 60 W PV module	60	--
Venus Solar 80 W PV module	80	83
Venus Solar 100 W PV module	100	--
Venus Solar 170 W PV module	170	167

Light Sources*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	On	On	On
2 W LED Lamp	160	160	66

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

Shanghai EASY Renewables Tech Co., Ltd

Venus SHS Family

System Name	Number of each component included in each system																
	2 W LED Lamp	133 Wh battery	200 Wh battery	266 Wh battery	400 Wh battery	600 Wh battery	800 Wh battery	50 W PV module	60 W PV module	80 W PV module	100 W PV module	170 W PV module					
VE-SHS-1212	4	1						1									
VE-SHS-1212-PAYG	4	1						1									
VE-SHS-1218	4		1						1								
VE-SHS-1218-PAYG	4		1						1								
VE-SHS-1224	4			1						1							
VE-SHS-1224-PAYG**	4			1						1							
VE-SHS-1236	4				1							1					
VE-SHS-1236-PAYG	4				1							1					
VE-SHS-1254	4					1						2					
VE-SHS-1254-PAYG	4					1						2					
VE-SHS-1272	4						1						2				
VE-SHS-1272-PAYG	4						1						2				

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

All kit models that end in PAYG include an integrated pay-as-you-go controller

NOTICE:

Only the Venus Solar Home System (VE-SHS-1224) was fully tested as systems according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the Venus Solar Home System (VE-SHS-1224) 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 year warranty on all kits and components from date of sale

Marks and Certifications

Factory certification

ISO 9001:2008