

# Lighting Global Standardized Specifications Book

**Manufacturer:** Shenzhen LEMI Technology Development Co., Ltd.

**Component Family Name:** SHS Family

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

**Verify Online:** <http://www.lightingglobal.org/products/lemi-family>

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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 version 4 of the Quality Test Method (QTM) in 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: 2018**

**Revision: 2018.10**

# Component-Level Standardized Specifications Sheet

Shenzhen LEMI Technology Development Co., Ltd.

SHS Family

## Battery / Control Box

Name / Model Number	Battery Capacity Rating (mAh)	Measured Battery Capacity (mAh)
LM-LI010	4000	4100
LM-LI020	7500	not tested
LM-LI030	14000	14000
LM-LI045	18000	not tested
LM-LI060	24000	not tested
LM-LI080	30000	not tested
LM-LI100	48000	49000
LM-SHS-50	28000	29000

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
10 W PV	10	10
20 W PV	20	not tested
30 W PV	30	32
45 W PV	45	not tested
60 W PV	60	not tested
80 W PV	80	not tested
100 W PV	100	98
50 W PV	50	51

## Light Sources

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	On	On	On
2 W Lamp	160	190	100
3 W Lamp	240	280	100
5 W Lamp	--	456	98

**NOTICE:** As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in 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).

# List of Covered Systems

Shenzhen LEMI Technology Development Co., Ltd.

## SHS Family

System Name	Number of each component included in each system																		
	Lamps			Li-Ion Batteries						PV Modules									
	2 W	3 W	5 W	4 Ah	7.5 Ah	14 Ah	18 Ah	24 Ah	28 Ah	30 Ah	48 Ah	10 W	20 W	30 W	45 W	50 W	60 W	80 W	100 W
LM-LI010*	3			1								1							
LM-LI020	3				1								1						
LM-LI030*		3				1								1					
LM-LI045		3					1								1				
LM-LI060		3						1									1		
LM-LI080			4							1								1	
LM-LI100			4								1								1
LM-SHS-50**		3							1							1			
LM-LI***-B**-2 (*) 3 (*) 5 (*)	Please refer to the descriptions below regarding this product code.																		
LM-SHS-***-B**-2 (*) 3 (*) 5 (*)	Please refer to the descriptions below regarding this product code.																		

These SKUs are interpreted as follows.

Kits without PAYG are labeled LM-LI\*\*\*-B\*\*-2 (\*) 3 (\*) 5 (\*),

and kits with PAYG are labeled LM-SHS-\*\*\*-B\*\*-2 (\*) 3 (\*) 5 (\*).

- LI\*\*\* stands for the power of PV module, including 010 (10W), 020 (20W), 045 (45W), 050 (50W), 060 (60W), 080 (80W), 100 (100W);

- \*\*\* stands for the power of PV module, including 030 (30W), 045 (45W), 050 (50W), 060 (60W), 080 (80W), 100 (100W);

- B\*\* stands for the capacity of the Li-ion battery, including 4.0 (4AH), 7.5 (7.5AH), 14 (14AH), 18 (18AH), 24 (24AH), 30 (30AH), 48 (48AH);

- 2 stands for 2W LED bulb, 3 stands for 3W LED bulb, 5 stands for 5W LED bulb;

- (\*) stands for the quantity of LED bulbs;

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

The LM-SHS-50 is pay-as-you-go enabled

### NOTICE:

Only the 30 W Solar Home System (LM-LI030) and 10 W Solar Home System (LM-LI010) were fully tested as systems according to the Quality Test Method (QTM) in IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the 30 W Solar Home System (LM-LI030) and 10 W Solar Home System (LM-LI010) 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