LM-LI015 Solar Home System

LM-LI015

Shenzhen LEMI Technology Development Co., Ltd.

Verify online:
https://data.verasol.org/products/sek/lemi-li015

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

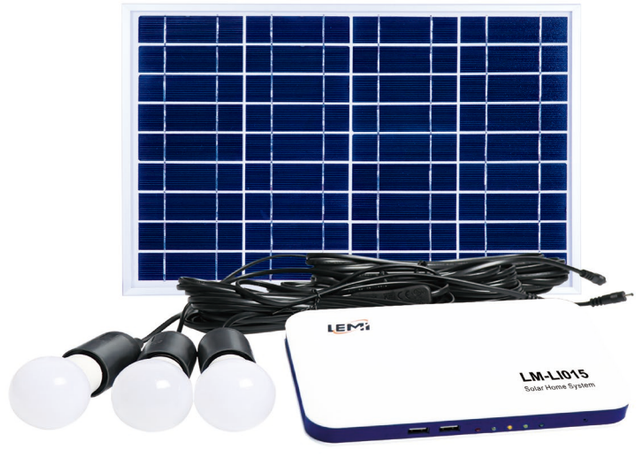
Valid until: November 30, 2025

Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits

Mobile charging

3 **Light point(s)**

Plug-and-play



WARRANTY INFORMATION

3-year warranty covering manufacturing defects in the system from date of purchase.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m^2/day)	
VeraSol Certified?	**Included in Kit?**	**Appliance[a]**	**Description**	**Used alone[b]**	**Used in combination[c]**
yes	included	Main lighting unit	3 lamps On, totalling 670 lm and 6.3 W	8 hours	2.3 hours
yes	not included	Torch	56 lm torch (Li-ion battery: 3.7 Ah, 3.6 V)	43 hours	2.3 hours
no	not included	Fan	16" or smaller (10 W power)	4.9 hours	2.8 hours
yes	not included	Radio	Portable radio (Li-ion battery: 2 Ah, 3.7 V), with a power consumption of 0.3 W while in use	110 hours	1.7 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	8.2 full charge(s)	0.6 full charge(s)

Available daily electrical energy[c] (Wh/day)	47

Performance measure	**Brightness setting: 3 lights on "on"**
Lighting full battery run time[d] for main unit (hours)	9.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	5360

[a] Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

[b] Without any other loads used during the run time

[c] Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

[d] Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

LIGHTING DETAILS

Lamp name	**Number of lamps**	**Number of settings**	**Setting**	**Light output (lm)**	**Lumen efficacy[e] (lm/W)**	**CRI[f]**	**CCT[g]**	**Distribution type**	**Lumen maintenance[h]**
2 W bulb	3	1	on	220	110	83	6800	Wide	100%

[e] Lumen efficacy is the power consumption at a light point during the light output test.

[f] Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

[g] Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

[h] Percent of the original light output that remains after 2,000 hours of run time

PORTS			
2	**USB 2.0 type A**		Mobile phones and radios can be charged. Adapters are included.
4	**Barrel jack**		12 V ports available to charge devices and power appliances and light points.

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	2 W bulb	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	14 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium-ion
Specific Li-ion battery chemistry	lithium nickel manganese cobalt oxide
Battery package type	9x 18650
Battery capacity	5.5 Ah
Battery nominal voltage	11.1 V
Battery status/ other indicator lights	Three indicators for battery life

PRODUCT DETAILS	
Manufacturer name	Shenzhen LEMI Technology Development Co., Ltd.
Product name	LM-LI015 Solar Home System
Product model / ID number	LM-LI015
Contact information	21988186@qq.com
Website	http://www.lemi.com.cn/
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.
Mass	2020 g

SSS INFORMATION	
Specs sheet expiration date	November 30, 2025
Revision	2023.11