

30 W Solar Home System

Shenzhen LEMI Technology Development Co., Ltd.

Results based on test procedures detailed in IEC 62257-9-5, ed.4.0

Verify online:

www.lightingglobal.org/products/lemi-30W

Valid Until: July 31, 2021



Available Daily Electrical Energy (Wh/day)

91

Lumens

840



Meets Lighting Global
Quality Standards



Mobile Charging

3 Light Points

1 5-volt USB Ports



Warranty Information

A 2-year warranty covering manufacturing defects in the system and a 2-year warranty for the battery.

Performance Details

Appliance ^b	Description	Included with kit?	Power ^b (W)	Run Time After a Typical Day of Solar Charging ^a		
				Used Alone ^c	Used In Combination ^d	Run Time Units
Main lighting	3 light points on totaling 840 lumens	included	8.4	12	9.8	hours
Mobile Phone	Basic phone (3.7 Wh battery)	--	--	15	2.5	number of full charges

Available daily electrical energy^d (Wh/day): 91

Performance Measure	Brightness Setting: Three 3 W Lamps On
Lighting full battery run time ^e (hours)	20
Total light output in lumens ^f	840

^a A typical day of solar charging assumes 5 kWh/m²/day

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

^c Without any other loads used during the run time

^d Based on an example use profile with all of the appliances listed above used in combination

^e 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.

^f 1 candle or kerosene wick lamp = approximately 10 lumens

Lighting Details

Lamp Name	Type	Number of Settings	Light Output (lm)	Lumen Efficacy (lm/W)	CRI ^g	CCT ^h	Distribution Type	Lumen Maintenance ⁱ
3 W Lamp	LED	1	280	100	84	Daylight (> 5000 K)	Wide	>99%

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

^h Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, cool, or daylight.

ⁱ Percent of the original light output that remains after 2,000 hours of run time

Special Features

Mobile charging and appliances	USB port available to charge devices
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Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested; meant for indoor use only.

Solar Details

PV module type	Polycrystalline silicon
PV maximum power	32 watts

Battery Details

Battery replaceability	Easily replaceable with common tools. Warranty is void if product is opened.
Battery chemistry	Lithium-ion
Battery package type	45*18650
Battery capacity	14 Ah
Battery nominal voltage	11.1 V
Battery Status Indication	Three red LEDs indicate battery state of charge

Product Details

Manufacturer name	Shenzhen LEMI Technology Development Co., Ltd.
Product name	30 W Solar Home System
Product model / ID number	LM-LI030
Contact information	info@lemi88.com
Website	http://www.lemi.com.cn/
Dimensions (entire product in package)	not applicable
Weight	5125 g

SSS Information

Specs sheet expiration date	July 31, 2021
Quality Standards Framework Version	2018
Revision	2018.10