

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: May 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
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Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested; meant for indoor use only.
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Solar Details

PV module type	Polycrystalline silicon
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PV maximum power	32 watts
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Battery Details

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

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

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