## Solar Home System

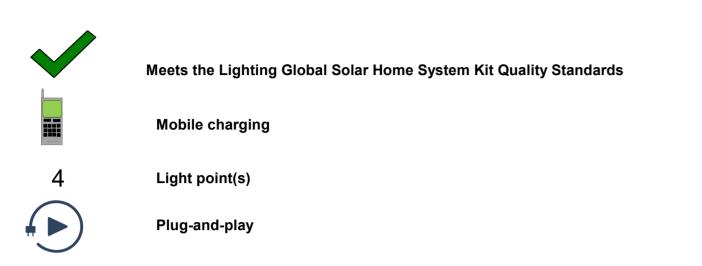
## LM-LFP080

Shenzhen LEMI Technology Development Co., Ltd.

Results based on test procedures detailed in

IEC 62257-9-5 v.4

## Verify online: www.lightingglobal.org/products/lemi-LFP080 Valid until: May 31, 2021





A 36-month warranty covers the whole system from the time of purchase by the end-user.

**PERFORMANCE DETAILS** 

			Run time after a typi chargir	-
		(assuming 5kWh/m²/day)		
	<b>Appliance</b> <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>
included in kit	Main lighting unit	4 light points on totaling 2200 lumens and 19 W power	16 hours	4.7 hours
	Mobile phone	Basic phone (3.7 Wh battery)	46 full charge(s)	1.2 full charge(s)
sold separately	Television	32" diagonal (20 W power consumption while in-use)	16 hours	2.4 hours
	Radio	integrated battery with a power consumption of 0.29 W while in-use	600 hours	3.6 hours
	Torch	1900 mAh, 56 lumens torch, 3.7 V nominal voltage	240 hours	4.8 hours
	Fan	16" table fan (14 W power)	23 hours	5.9 hours

Available daily electrical energy<sup>c</sup> (Wh/day)

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Performance measure	Brightness setting: Four LED bulbs on		
Lighting full battery run time <sup>d</sup> for main unit (hours)	19		
Total lighting service (lumen-hours/solar-day)	25000		

$\mathbf{J}$	35000
	33000

(includes the both main lighting unit and any auxiliary lights included with the product)

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 (Im)	Lumen efficacy <sup>e</sup> (Im/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
LED Bulb	4	1	on	550	120	85	6700	Wide	97%

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup>Color Rendering Index. An index of 100 is equivalent to vieiwing objects in daylight; above 80 is considered good.

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

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

SPECIAL FEAT	URES						
Handle	*	Main box has a handle	e for easier carrying.				
PORTS							
2	USB 2.0 type A		Mobile phones and radios can be charged. Adapters are not included.				
8	Barrel jack		12 V ports available to charge devices and power appliances. Five of these ports are used for light points only.				
1	Cigarette lighter		Port available to charge devices and power appliances.				
DURABILITY							
Overall durability	y and workmanship		Pass				
Durability tests p	bassed		Switch test, Strain relief test, physical ingress protection.				
Level of water protection		Main Lighting Unit	Water ingress protection not tested, meant for indoor use only.				
		PV module	Has protection from permanent outdoor exposure				
SOLAR DETAIL	_S						
PV module type			Polycrystalline silicon				
PV maximum po	ower		79 watts				
BATTERY DET	AILS						
Battery replacea	ability		Easily replaceable with common tools; however, the warranty is void if product is opened				
Battery chemistr	У		Lithium iron phosphate				
Battery package	e type		20650				
Battery capacity			29 Ah				
Battery nominal	voltage		12.8 V				
Battery status indication			One indicator for low battery status, one indicator for PV charging and three indicators f battery-state-charge				
PRODUCT DET	AILS						
Manufacturer na	ame		Shenzhen LEMI Technology Development Co., Ltd.				
Product name			Solar Home System				
Product model /	ID number		LM-LFP080				
Contact information			info@lemi88.com				
Website			www.lemi.com.cn				
Dimensions (entire product in package)			29 x 50 x 20 cm				
Mass			4890 g				
SS INFORMATI	ION						
Specs sheet exp	piration date		May 31, 2021				
Quality standard	ls framework version		2020				
Revision			2020.03				