

Magic Solar Player

LM-MSP15
Shenzhen LEMI

Verify online:

<https://data.verasol.org/products/sek/lemi-msp15>

Valid until: April 30, 2024

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



Meets the requirements in IEC TS 62257-9-8 for Size B Kits



Mobile charging

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty covering manufacturing defects in the system

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	4 light points on On/high totaling 780 lumens and 7.1 W power	4.7 hours	3.7 hours
yes	included	Radio	Integrated battery with a power consumption of 0.57W while in-use	61 hours	2.9 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	6.5 full charge(s)	1 full charge(s)

Available daily electrical energy^c (Wh/day) 33

Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	9.8
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2890

^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
LED bulb	3	1	On	230	120	83	6400	Wide	100%
Integrated lamp	1	3	High	76	54	72	6000	Narrow	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	 6.4 V ports available to power appliances and light points.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit and integrated radio	Has protection from occasional rain; met with appropriate warning label
	PV module	Has protection from permanent outdoor exposure.
	LED 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 iron phosphate
Battery capacity		12 Ah
Battery nominal voltage		6.4 V
Battery status/ other indicator lights		Three indicators for battery level
PRODUCT DETAILS		
Manufacturer name		Shenzhen LEMI
Product name		Magic Solar Player
Product model / ID number		LM-MSP15
Contact information		info@lemi88.com
Website		www.lemi.com.cn
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
SSS INFORMATION		
Specs sheet expiration date		April 30, 2024
Revision		2022.04