

Micergy Powerlink Series MP1

MP1

Micergy Company Limited

Results based on test procedures detailed in IEC 62257-9-5 v.4

Verify online:

www.lightingglobal.org/products/mcg-p1

Valid until: December 31, 2021



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

5

Light point(s)



Plug-and-play



WARRANTY INFORMATION

2-year warranty for PV, main unit, battery, and LED bulbs; 1-year for torch and cables.

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
	Appliance ^a	Description		
included in kit	Main lighting unit	4 light points on high totaling 520 lumens and 5.9 W power	5.2 hours	4.2 hours
	Torch	1.8 mAh, 98 lumens torch, 3.7 V nominal voltage	34 hours	4.6 hours
	Radio	portable (7.8 Wh battery, 3.7 V nominal voltage), with a power consumption of 0.45 W while in-use	75 hours	3.5 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	9.7 full charge(s)	1.2 full charge(s)

Available daily electrical energy ^c (Wh/day)	37
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Performance measure	Brightness setting: 4 LED bulbs on high with torch
Lighting full battery run time ^d for main unit (hours)	5.2
Lighting full battery run time torch (hours)	5.1
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	3000

^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	4	2	high	130	88	83	6800	Wide	100%
Torch	1	3	high	98	110	68	6800	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

SPECIAL FEATURES		
PAYG		Pay-As-You-Go enabled
PORTS		
1	USB 2.0 type A	 Mobile phones and other devices can be charged. 5-in-1 adapter is included.
5	Barrel jack	 One 6.4 V port available to charge torch and four 6.4 V ports for light points
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop 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
	Torch	Has protection from occasional rain; met with appropriate warning label
	Radio	Has protection from occasional rain ; met with appropriate warning label
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		15 watts
BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium Iron Phosphate (main unit), Lithium ion (torch and radio)
Battery package type		4 x 26650 (main unit), 18650 (torch and radio)
Battery capacity		6.8 Ah (main unit), 2.0 Ah (torch and radio)
Battery nominal voltage		6.4 V (main unit), 3.7 V (torch and radio)
Battery status indication		One screen for battery state of charge, fault warning, credit status, charging status and product information. Torch also has an indicator light for charging.
PRODUCT DETAILS		
Manufacturer name		Micergy Company Limited
Product name		Micergy Powerlink Series MP1
Product model / ID number		MP1
Contact information		leslie@micergy.com
Website		www.micergy.com
Co-branded by		P1 Solar Energy Storage System, BeeBeeJump Technology Co., Ltd
Dimensions (entire product in package)		32.5 x 41 x 8.5 cm
Mass		4070 g
SSS INFORMATION		
Specs sheet expiration date		December 31, 2021
Quality standards framework version		2019
Revision		2020.02