

Micergy Powerlink Series MP2

MP2

Micergy Company Limited

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

Verify online:

www.lightingglobal.org/products/mcg-s1

Valid until May 31, 2022



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

2

Light point(s)



Plug-and-play



WARRANTY INFORMATION

2-year warranty for main unit, PV module, and bulbs; 1-year warranty for fan and grid charger

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	2 light points (one big bulb and one small bulb) on (high) totaling 1250 lumens and 9.4 W power	33 hours	11 hours
	fan	44 cm table fan on high setting (13 W power)	32 hours	15 hours
sold separately	Smart phone	Smart phone (5.7 Wh battery)	43 full charge(s)	3.2 full charge(s)
	Television	18 W power consumption while in-use	25 hours	5.9 hours
	Mobile phone	Basic phone (3.7 Wh battery)	62 full charge(s)	--

Available daily electrical energy ^f (Wh/day)	310
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	33
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	41300

^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)	CR ^f	CCT ^g	Distribution type	Lumen maintenance ^h
big bulb	1	2	high	1100	140	84	6700	Wide	99%
small bulb	1	2	high	150	110	85	7000	Wide	99%

^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
Oscillation		The fan can oscillate and has 3 settings
Grid Charger		The kit contains a grid charger for charging

PORTS

2	USB 2.0 type A		Mobile phones can be charged. Adapters are not included.
5	Barrel jack		There are two 12 V ports for powering the included light points, and three 12 V ports available to power the included fan and advertised appliances (TV).
2	Cigarette lighter		There are two 12 V cigarette lighter ports.

DURABILITY

Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection.
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	big bulb	Water ingress protection not tested, meant for indoor use only.
	small bulb	Water ingress protection not tested, meant for indoor use only.
	fan	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power (measured with 10 m cable)	140 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 package type	26650
Battery capacity	27 Ah
Battery nominal voltage	12.8 V
Battery status indication	There is one screen for battery state of charge, fault warning, credit status, charging status and product information.

PRODUCT DETAILS

Manufacturer name	Micergy Company Limited
Product name	Micergy Powerlink Series MP2
Product model / ID number	MP2
Contact information	leslie@micergy.com
Website	www.micergy.com
Co-brand of	Beebeesolar S1 Easy, BeeBeeJump Technology Co., Ltd
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.
Mass	n/a

SSS INFORMATION

Specs sheet expiration date	May 31, 2022
Quality standards framework version	2020
Revision	2020.05