

Fenix Power

F0105UG

Fenix International

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

Verify online:

www.lightingglobal.org/products/fx-fp

Valid until: March 31, 2021



Meets the Lighting Global Pico-PV Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

2

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty for the system and PV module and a 2-year warranty for lights, appliances, and accessories

PERFORMANCE DETAILS

			Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
	Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	2 light points on High totaling 380 lumens and 3.5 W power	8.9 hours	5.2 hours
sold separately	Mobile phone	Smart phone (5.7 Wh battery)	3 full charge(s)	1.3 full charge(s)

Available daily electrical energy ^c (Wh/day)	22
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Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	9.4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	3380

^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 Lamp	2	3	High	190	110	84	5100	Wide	100%
LED Lamp	2	3	Medium	99	120	83	5100	Wide	--
LED Lamp	2	3	Low	46	92	83	5100	Wide	--

^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

1

USB 2.0 type A

Mobile phones can be charged; adapters included

2

Barrel jack

Two 12 V ports are available to power appliances or light points

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
	LED Lamp	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS

PV module type	Polycrystalline silicon
PV maximum power	10 watts

MAIN UNIT BATTERY DETAILS

Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium-ion
Battery package type	2x18650
Battery capacity	7.9 Ah
Battery nominal voltage	3.6 V
Battery status indication	One for lock status, one for link status, five for battery state of charge, three for PV charging rate, and one for hazard status

MARKS AND CERTIFICATIONS

Factory certification	ISO 9001: 2015
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PRODUCT DETAILS

Manufacturer name	Fenix International
Product name	Fenix Power
Product model / ID number	F0105UG
Contact information	engineering@fenixintl.com
Website	https://www.fenixintl.com/
Dimensions (entire product in package)	39 x 27 x 11 cm
Mass	2820 g

SSS INFORMATION

Specs sheet expiration date	March 31, 2021
Quality standards framework version	2020
Revision	2020.06