

M-KOPA III

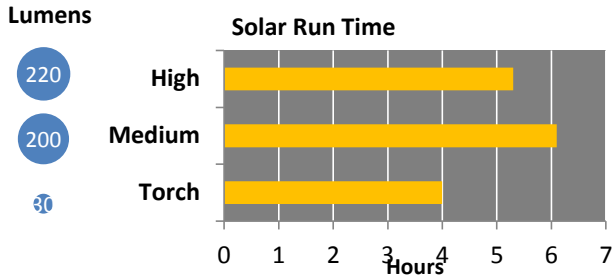
M-KOPA Solar

Results based on test procedures detailed in IEC 62257-9-5, ed. 2.0

Verify Online:

www.lightingglobal.org/products/mk-mk3

Valid Until: October 31, 2017



Meets Lighting Global Quality Standards

Mobile Charging

3 Light Points



Warranty Information

A 2-year warranty covering manufacturing defects on solar panel, control unit and light points. The charging cables, radio and torch carry a 1-year warranty.

Performance Details

Performance Measure	Brightness Setting***		
	High	Medium	Torch
Full battery run time* (hours)	5.9	6.8	4.5
Run time per day of solar charging* (hours)	5.3	6.1	4
Total light output (lumens)	220	200	30
Total area with illumination > 50 lux** (m ²)	0.14	--	0.0
Total lighting service (lumen-hours / solar-day)	1200	1200	120

* 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.

** Total area with illumination > 50 lux is determined by the maximum area with adequate illumination at a 0.75 m distance and at the distance from which the product would normally provide task lighting service.

*** Additional brightness settings (not tested): Low

Lighting Details

Lamp type	LED
Description of light points	Two indoor light points have 7 LEDs in a plastic housing. A rechargeable, portable LED torch has 4 LEDs in a plastic housing.
Colour characteristics	CRI 84 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	98% of the original output remains after 2,000 hours run time

Special Features

Mobile charging	Adapters included to charge mobile phone from battery
Radio	Rechargeable radio included with a full battery run time of 12 hrs and a solar run time of 3 hrs.
Pay-as-you-go	Product may be purchased through mobile-money payments in certain markets.

Durability

Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test, and no water ingress protection

Solar Details

PV module type	Polycrystalline silicon
PV maximum power point	7.5 watts

Battery Details

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	Replacements available from manufacturer
Battery capacity	3200 mAh
Battery nominal voltage	6.4 V
Appropriate battery protection circuit	Pass

Product Details

Manufacturer name	M-KOPA Solar
Product name	M-KOPA III
Contact information	carl.thielk@m-kopa.com
Website	www.m-kopa.com

SSS Information

Specs sheet expiration date	October 31, 2017
Quality Standards Framework Version	2015
Revision	2015.1