

# M-KOPA 4

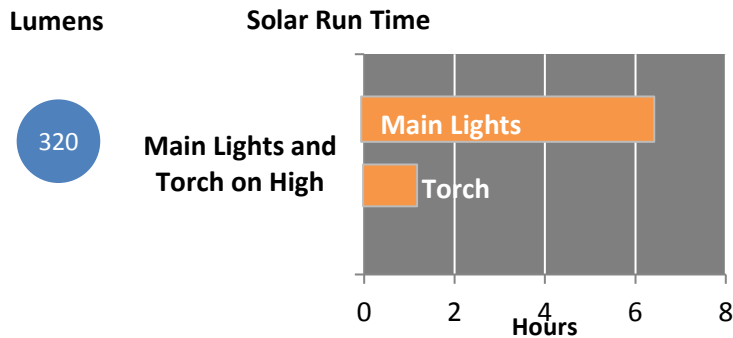
M-KOPA Solar

Verify Online:

[www.lightingglobal.org/products/mk-mk4](http://www.lightingglobal.org/products/mk-mk4)

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

Valid Until: April 30, 2019



Meets Lighting Global Quality Standards

Mobile Charging

**3** Light Points

**PAYG** Pay-As-You-Go Enabled

## 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***			
	Main Lights and Torch on High	Main Lights on High	Main Lights on Low	Radio On
Full battery run time* (hours)	6.6 (Main Lights High) 1.1 (Torch on High)	6.6	13	10.1
Run time per day of solar charging* (hours)	6.6 (Main Lights High) 1.1 (Torch on High)	6.6	13	--
Total light output (lumens)	240 (Main Lights on High) 81 (Torch on High)	240	140	--
Total lighting service (lumen-hours / solar-day)	1700	1600	1800	--

\* 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.

\*\*\* Additional brightness settings (not tested): Torch on Low

Lighting Details	
Lamp type	LED
Description of light points	6 LEDs in a plastic housing in each of two indoor light points and the torch. All light points have a high and low setting.
Colour characteristics	CRI 82 CCT "Cool" (5000-7000 K)
Distribution type	Wide
Lumen maintenance	100% 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
Pay-as-you-go	Product may be purchased through mobile-money payments in certain markets.
Ports	Includes 4 ports for light bulbs and a separate port for charging the torch.
Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test, switch and connector cycling, strain relief test, physical ingress protection test. protection from occasional rain for the main unit and radio and protection from frequent rain for the torch
Solar Details	
PV module type	Polycrystalline silicon
PV maximum power point	7.8 watts
Battery Details	
Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	2S1P 26650 Cells
Battery capacity	Main Unit: 3400 mAh; Torch: 580 mAh; Radio: 1100 mAh
Battery nominal voltage	Main Unit: 6.4 V; Torch: 3.2 V V
Appropriate battery protection circuit	Pass
Product Details	
Manufacturer name	M-KOPA Solar
Product name	M-KOPA 4
Product model / ID number	--
Contact information	carl.thielk@m-kopa.com
Website	www.m-kopa.com
SSS Information	
Specs sheet expiration date	April 30, 2019
Quality Standards Framework Version	2017
Revision	2017.04