

# 10W Quad Solar Home System

Azuri Technologies Ltd.

Verify Online:

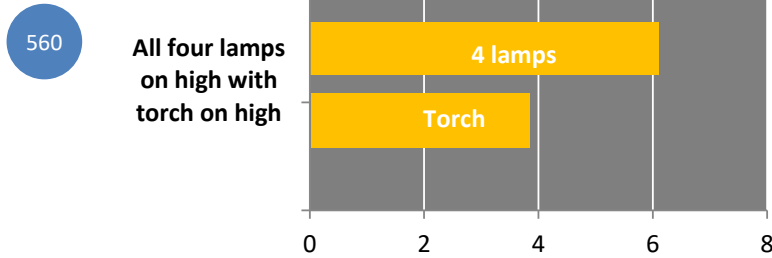
Results based on test procedures detailed in IEC 62257-9-5, ed. 3.0

[www.lightingglobal.org/products/az-quad](http://www.lightingglobal.org/products/az-quad)

Valid Until: March 31, 2020

Lumens

Solar Run Time



Meets Lighting Global Quality Standards



Mobile Charging

5 Light Points

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

## Warranty Information

The main unit and radio are warranted for 24 months and torch is warranted for 12 months against manufacturing defects from the time of original purchase by the first end-user.

## Performance Details

Performance Measure	Brightness Setting**			
	All four lamps on high with torch on high	All four lamps on high	One 4 LED lamp on high	Torch on high
Full battery run time* (hours)	--	8	32	6.3
Run time per day of solar charging* (hours)	6.1 (4 lamps) 3.8 (torch)	8	32	--
Total light output (lumens)	460 (4 lamps) 96 (torch)	460	71	96
Total lighting service (lumen-hours / solar-day)	3200	3700	2300	--

\* 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): One 8 LED lamp on high, torch on low

## Lighting Details

Lamp type	LED
Description of light points	3 lamps with 4 LEDs and 1 lamp with 8 LEDs; torch with 1 LED.
Colour characteristics	CRI 72 (main unit) CRI 71 (torch) Main Unit CCT= Cool (3000 -5000 K); Torch CCT=Daylight (>5000 K)
Distribution type	Main Unit = Wide; Torch = Narrow
Lumen maintenance	99% of the original output remains after 2,000 hours run time

Special Features	
Radio	Radio with rechargeable 760 mAh Li-ion battery that provides a full-battery run time of 12 hours.
Torch	Torch with rechargeable 2000 mAh Li-ion battery.
Switchable outputs	Individual switchable light and phone charging outputs. Independent 3 stage dimming for each light output. Phone charging cables and adaptors included.
Keypad	Keypad for entering PAYG authorisation code.
Indicators	LED indicators for solar charging, credit and battery charge.
Payment Systems	Mobile Money and Scratchcards with SMS
HomeSmart™	Automatically adjusts the light output to extend run-time in poor charging conditions

Durability	
Overall durability and workmanship	Pass
Durability tests passed	Drop test (required for radio and torch only), switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested for main unit; meant for indoor use only. Radio has protection from occasional rain, met with a warning label. Torch has protection from frequent rain, met IP53.

Solar Details	
PV module type	Polycrystalline silicon
PV maximum power point	10 watts

Battery Details	
Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Lithium iron phosphate
Battery package type	2 x 26650
Battery capacity	6500 mAh
Battery nominal voltage	3.2 V
Appropriate battery protection circuit	Pass

Marks and Certifications	
Factory certification	ISO 9001:2008 (PV module and radio); ISO 9001:2015 (control unit, lights); ISO 14001:2004 (PV Module); ISO 14001:2015 (Control Unit and Lights); ISO 18001:2007 (PV Module)

Product Details	
Manufacturer name	Azuri Technologies Ltd.
Product name	10W Quad Solar Home System
Product model / ID number	AZ002018 (kit) comprising: AZ001940 (PV Module); AZ001118 (Control Unit); AZ001426 (150lm Lamp); 3 x AZ001427 (75lm Lamp); AZ001799 (Radio); AZ002370 (Torch)
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**SSS Information**

Specs sheet expiration date	March 31, 2020
Quality Standards Framework Version	2018
Revision	2018.07