

Azuri Quad 15W Solar Home System

AZ002218 (kit)

Azuri Technologies, Ltd.

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

Verify online:

www.lightingglobal.org/products/az-15W

Valid until: August 30, 2021



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go

5

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty for the system and a minimum of a 1 year warranty on the TV, radio, and torch

PERFORMANCE DETAILS

	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
			Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	4 light points on high totaling 420 lm and 3.4 W	8.9 hours	5.6 hours
	Radio	Portable (1 Ah, 3.7 V battery)	93 hours	4.6 hours
	Torch	(2 Ah, 3.7 V battery; 96 lm)	25 hours	6.2 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	8.8 full charge(s)	1.5 full charge(s)

Available daily electrical energy^c (Wh/day) 34

(Additional energy may be available for daytime use of appliances.)

Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	6.3
Lighting full battery run time auxiliary light (hours)	6.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any auxiliary lights included with the product)	4000

^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
lamp (AZ002470)	3	3	high	86	140	82	3900	Wide	98%
Tube light (AZ002421)	1	3	high	170	110	83	3800	Wide	98%
Torch	1	2	high	96	100	71	5800	Narrow	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**Pay-as-you-go (PAYG)****Can use mobile money or scratchcards with SMS. Keypad for entering PAYG authorisation code****PORTS**

1

USB 2.0 type A

Mobile phones, radio and torch can be charged. Adapters are included.

4

Barrel jack

6 V ports available to power light points

DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Drop test, Strain relief test, physical ingress protection.

Level of water protection

Main Lighting Unit

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

PV module

Has protection from permanent outdoor exposure

Torch

Has protection from frequent rain; met IP53.

Radio

Has protection from occasional rain ; met with appropriate warning label

SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

16 watts

BATTERY DETAILS

Battery replaceability

Not easily replaceable with common tools.

Battery chemistry

Lithium iron phosphate

Battery package type

32700

Battery capacity

5.2 Ah

Battery nominal voltage

6.4 V

Battery status indication

Three indicators for charging, battery state-of -charge and credit. Two indicators for master switches.

MARKS AND CERTIFICATIONS

Factory certification

ISO 9001:2015 (Radio, Control unit, Lights, Torch, PV Module); ISO 14001:2015 (Radio, Control Unit, Lights, PV Module); ISO45001:2015 (PV Module)

PRODUCT DETAILS

Manufacturer name

Azuri Technologies, Ltd.

Product name

Azuri Quad 15W Solar Home System

Product model / ID number

AZ002218 (kit) comprising: AZ002313 (PV module); AZ002219 (control unit); AZ002470 (100 lm lamp); AZ002421 (tube light); AZ002477 (radio); AZ002370 (torch) and AZ002199 (phone charging cable)

Contact information

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Website

www.azuri-technologies.com

Dimensions (entire product in package)

35.5 x 35.5 x 12.5 cm

Mass

2615 g

SSS INFORMATION

Specs sheet expiration date

August 30, 2021

Quality standards framework version

2019

Revision

2019.08