

HOME MAX

03

Brand name: IONA

Verify online:

<https://data.verasol.org/products/sek/isl-homemax>

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

Valid until: September 30, 2026



Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits



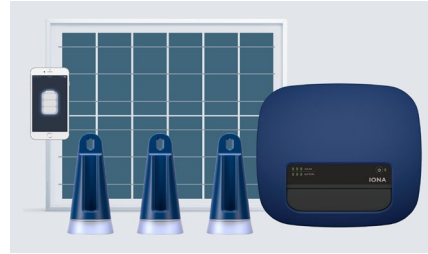
Mobile charging

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system. In Rwanda 3-year warranty covering manufacturing defects in the system.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	3 light points on high totaling 690 lumens and 4.2 W power	7.6 hours	5.1 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	4.4 full charge(s)	1.4 full charge(s)

Available daily electrical energy ^e (Wh/day)	32
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	7.6
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	5240

^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)	Power consumption (W)	Lumen efficacy ^g (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Lamp	3	2	high	230	1.4	170	82	4100	Wide	100%

^g 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 and radios can be charged. Adapters are included.
4	Barrel jack	 9 V lamp port to power light points
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		18 watts
PV rated power		20 watts
PV open-circuit voltage (V _{OC})		6 volts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium iron phosphate
Specific Li-ion battery chemistry		lithium iron phosphate
Battery package type		32700
Battery capacity		12.5 Ah
Battery nominal voltage		3.2 V
Battery status / other indicator lights		Three indicators for battery, three indicators for solar strength
PRODUCT DETAILS		
Company name		IONA Limited
Brand Name		IONA
Product name		HOME MAX
Product model / ID number		03
Contact information		sales@ionasolar.com
Website		www.ionasolar.com
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
SSS INFORMATION		
Specs sheet expiration date		September 30, 2026
Revision		2024.12