

HOME MAX

03
Brand name: IONA

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

Verify online:
<https://data.verasol.org/products/sek/isl-homemax>
Valid until: September 30, 2026



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



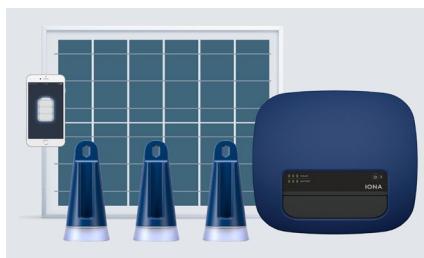
Mobile charging

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

^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

PORTS		
1	USB 2.0 type A	
4	Barrel jack	
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	