

# AS Solar EXP

AS-15PG  
Ningbo Green Light Energy

Verify online:

<https://data.verasol.org/products/sek/ngl-exp>

Valid until: December 31, 2023

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



Meets the requirements in IEC TS 62257-9-8 for Size B Kits



Mobile charging

PAYG

Pay-As-You-Go option available

3

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

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

## PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
				Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	3 light points On totaling 570 lumens and 6.0W power	9 hours	7.6 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	9.5 full charge(s)	2.3 full charge(s)

Available daily electrical energy <sup>c</sup> (Wh/day)	60
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Performance measure	Brightness setting: On
Lighting full battery run time <sup>d</sup> for main unit (hours)	9
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	5100

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> 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 <sup>a</sup> (lm/W)	CR <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
LED bulb	3	1	On	190	96	83	7000	Wide	99%

<sup>a</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

<sup>g</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

PORTS		
2	USB 2.0 type A	 Mobile phones can be charged. Adapters are included.
4	Barrel jack	 12 V ports available to charge 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 and LED bulbs	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		31 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium nickel manganese cobalt oxide
Battery package type		18650
Battery capacity		6 Ah
Battery nominal voltage		11.1 V
Battery status/ other indicator lights		Three indicators are for battery state of charge
PRODUCT DETAILS		
Manufacturer name		Ningbo Green Light Energy
Product name		AS Solar EXP
Product model / ID number		AS-15PG
Contact information		sale10@glenrgy.cn
Website		www.glenrgy.cn
Dimensions (entire product in package)		27 x 24 x 9.5 cm
Mass		1190 g
SSS INFORMATION		
Specs sheet expiration date		December 31, 2023
Revision		2022.01