

PAYGO 150 MAX

EK-PG150
Ekotek Energy

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

Verify online:

<https://data.verasol.org/products/sek/ekt-pgm150>

Valid until: June 30, 2023



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging

PAYG

Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the main unit, battery, lighting and lighting accessories, and PV module. A 1-year warranty covering manufacturing defects in any other accessories or appliances.

PERFORMANCE DETAILS

| VeraSol Certified? | Included in Kit? | Appliance ^a | Description | Run time after a typical day of solar charging (assuming 5kWh/m ² /day) | |
|--------------------|------------------|------------------------|---|---|----------------------------------|
| | | | | Used alone ^b | Used in combination ^c |
| yes | included | Main lighting unit | 4 light points On, totaling 1400 lumens and 12 W power | 11 hours | 2.9 hours |
| no | not included | Television | 32" diagonal (18 W power consumption while in-use) | 9.8 hours | 1.5 hours |
| no | not included | Mobile phone | Basic phone (3.7 Wh battery) | 27 full charge(s) | 0.8 full charge(s) |
| no | not included | Fan | Large table/standing/ceiling fan (larger than 16" diameter, 28 W power) | 6.3 hours | 3.7 hours |

| | |
|---|-----|
| Available daily electrical energy ^c (Wh/day) | 170 |
|---|-----|

| Performance measure | Brightness setting: On |
|---|------------------------|
| Lighting full battery run time ^d for main unit (hours) | 10 |
| Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product) | 14600 |

^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 ^a (lm/W) | CR ^f | CCT ^g | Distribution type | Lumen maintenance ^h |
|-----------|-----------------|--------------------|---------|-------------------|------------------------------------|-----------------|------------------|-------------------|--------------------------------|
| 3 W lamp | 4 | 1 | On | 350 | 110 | 84 | 6400 | Wide | 100% |

^a 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 | | |
|--|----------------|---|
| PAYG | ★ | Pay-As-You-Go enabled |
| PORTS | | |
| 2 | USB 2.0 type A |  Mobile phones and USB devices can be charged. Adapters are included. |
| 4 | Barrel jack |  12 V ports available to charge devices and power appliances and light points. |
| DURABILITY | | |
| Overall durability and workmanship | | Pass |
| Durability tests passed | | Switch test, Strain relief test, Physical ingress protection |
| 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 | | 50 watts |
| MAIN UNIT BATTERY DETAILS | | |
| Battery replaceability | | Easily replaceable with common tools; however, the warranty is void if product is opened. |
| Specific Li-ion battery chemistry | | lithium iron phosphate |
| Battery package type | | 8x32650 |
| Battery capacity | | 11.6 Ah |
| Battery nominal voltage | | 12.8 V |
| Battery status indication | | One indicator that shows status of battery. |
| PRODUCT DETAILS | | |
| Manufacturer name | | Ekotek Energy |
| Product name | | PAYGO 150 MAX |
| Product model / ID number | | EK-PG150 |
| Contact information | | mike@akusitc.com.hk or mike@akustic.cn |
| Website | | www.ekotekenergy.com |
| Dimensions (entire product in package) | | 44 x 38 x 13.5 cm |
| Mass | | 4280 g |
| SSS INFORMATION | | |
| Specs sheet expiration date | | June 30, 2023 |
| Revision | | 2021.11 |