ZOLA FLEX PLUS 32 with radio

ZOLA Electric

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





Meets the Lighting Global Solar Home System Kit Quality Standards

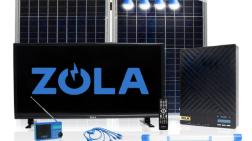


Mobile charging



Light point(s) Plug-and-play





WARRANTY INFORMATION

5-year warranty for power box, PV and lights, 1-year warranty for appliances.

| | | | | Run time after a typica | al day of solar charging |
|--------------------|---------------------|------------------------|--|-------------------------|----------------------------------|
| | | | | (assuming 5 | kWh/m²/day) |
| VeraSol Certified? | Included in Kit? | Appliance ^a | Description | Used alone ^b | Used in combination ^c |
| yes | included | Main lighting unit | 5 light points on full totaling 830 lumens and 6.2 W power | 28 hours | 16 hours |
| yes | included | Television | 32" diagonal (13 W power consumption while in-use) | 20 hours | 8.4 hours |
| yes | included | Radio | portable Li-ion battery: 0.65 Ah, 3.7 V, with a power consumption of 0.35 W while in-use | 380 hours | 13 hours |
| no | not included | Mobile phone | Basic phone (3.7 Wh battery) | 35 full charge(s) | 4.4 full charge(s) |

| Available daily electrical energy ^c (Wh/day) | 230 |
|---|-----|
| | |

| Performance measure | Brightness setting: Full | | |
|---|--------------------------|--|--|
| Lighting full battery run time ^d for main unit (hours) | 28 | | |
| Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal hatteries included with the product) | 23200 | | |

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

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 | CCTg | Distribution type | Lumen maintenance ^h |
| LED bulb | 4 | 2 | Full | 130 | 140 | 85 | 5000 | Wide | 100% |
| Tubelight | 1 | 2 | Full | 300 | 130 | 86 | 5100 | Wide | 100% |

 $^{^{\}rm e}$ Lumen efficacy is the power consumption at a light point during the light output test.

^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.

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

⁹ 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 | | | | | | |
|--|-------------------------|----------------|---|--|--|--|
| 2 | USB 2.0 type A | - G | Mobile phone can be charged. Adapter not included. | | | |
| 7 DURABILITY | Barrel jack | - | 3 of the ports are for powering light points, 3 are for powering appliances and one is for powering security lamp. | | | |
| | and workmanship | | Pass | | | |
| Durability tests pa | Durability tests passed | | Switch test, Drop test, Strain relief test, Physical ingress protection, both the LED and tubelight met IP5X | | | |
| | | Main Unit | Water ingress protection not tested, meant for indoor use only. | | | |
| Level of water protection | | PV module | Has protection from permanent outdoor exposure | | | |
| | | LED bulb | Has protection from permanent outdoor exposure; met IPX5 | | | |
| | | Tubelight | Has protection from permanent outdoor exposure; met IPX5 | | | |
| | | Radio | Has protection from occasional rain; met with appropriate warning label | | | |
| | | 32" TV | Water ingress protection not tested, meant for indoor use only. | | | |
| | | Remote Control | Has protection from occasional rain; met with appropriate warning label | | | |
| SOLAR DETAILS | | | | | | |
| PV module type | | | Polycrystalline silicon | | | |
| PV maximum pow | ver | | 77 watts | | | |
| MAIN UNIT BATT | TERY DETAILS | | | | | |
| Battery replaceability | | | Not easily replaceable with common tools. | | | |
| Battery chemistry | | | Lithium iron phosphate | | | |
| Battery package type | | | 18650 | | | |
| Battery capacity | | | 18 Ah | | | |
| Battery nominal voltage | | | 12.8 V | | | |
| Battery status indication | | | Six LEDs for battery state of charge | | | |
| PRODUCT DETA | ILS | | | | | |
| Manufacturer name | | | ZOLA Electric | | | |
| Product name | | · | ZOLA FLEX PLUS 32 with radio | | | |
| Contact information | | · | hannah.johnson@zolaelectric.com | | | |
| Website | | | www.zolaelectric.com | | | |
| Dimensions (entire product in package) | | · | Multiple packages. Contact manufacturer for more information. | | | |
| SSS INFORMATIO | DN | | | | | |
| Specs sheet expiration date | | | July 31, 2023 | | | |
| Revision | | | 2021.08 | | | |