Solar Powered Home Electric System

Valid until: April 30, 2022

Meets the Lighting Global Home System Kit Quality Standards

- Mobile charging
- Pay-As-You-Go option available
- 4 Light point(s)
- Plug-and-play

WARRANTY INFORMATION

A two-year warranty covers the battery, solar panel and LED bulbs; other components are covered for one year.

PERFORMANCE DETAILS

<table>
<thead>
<tr>
<th>Appliance</th>
<th>Description</th>
<th>Used alone</th>
<th>Used in combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main lighting unit</td>
<td>One 1 W Bulb with 120 lumens and 1 W power; one 2 W Bulb with 210 lumens and 2 W power; and one 4 W Bulb with 410 lumens and 4 W power</td>
<td>32 hours</td>
<td>5.5 hours</td>
</tr>
<tr>
<td>Torch</td>
<td>39 lumens torch with front light on and 31 W power (LiFePO4 battery: 500 mAh, 3.3 V)</td>
<td>560 hours</td>
<td>5.5 hours</td>
</tr>
<tr>
<td>Mobile phone</td>
<td>Smart phone (5.7 Wh battery)</td>
<td>30 full charge(s)</td>
<td>1.4 full charge(s)</td>
</tr>
<tr>
<td>Television</td>
<td>32&quot; Diagonal TV (11 W power consumption while in-use)</td>
<td>27 hours</td>
<td>2.8 hours</td>
</tr>
<tr>
<td>Radio</td>
<td>Portable radio (0.4 W power consumption while in use)</td>
<td>420 hours</td>
<td>4.1 hours</td>
</tr>
<tr>
<td>Fan</td>
<td>Table fan (28 W power while in use)</td>
<td>10 hours</td>
<td>6.9 hours</td>
</tr>
</tbody>
</table>

Run time after a typical day of solar charging (assuming 5kWh/m²/day)

<table>
<thead>
<tr>
<th>Performance measure</th>
<th>Brightness setting: On</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting full battery run time for main unit (hours)</td>
<td>32</td>
</tr>
<tr>
<td>Lighting full battery run time of the torch powered by torch battery (hours)</td>
<td>6.2</td>
</tr>
<tr>
<td>Total lighting service (lumen-hours/solar-day) (includes both main lighting unit and any lights with internal batteries included with the product)</td>
<td>23400</td>
</tr>
</tbody>
</table>

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.

Available daily electrical energy (Wh/day) | 270

verify online: www.lightingglobal.org/products/omni-ovcamps2230
<table>
<thead>
<tr>
<th>Lamp name</th>
<th>Number of lamps</th>
<th>Number of settings</th>
<th>Setting</th>
<th>Light output (lm)</th>
<th>Lumen efficacy* (lm/W)</th>
<th>CRI†</th>
<th>CCT‡</th>
<th>Distribution type</th>
<th>Lumen maintenance§</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 W Bulb</td>
<td>1</td>
<td>1</td>
<td>On</td>
<td>120</td>
<td>110</td>
<td>85</td>
<td>6900</td>
<td>Wide</td>
<td>100%</td>
</tr>
<tr>
<td>2 W Bulb</td>
<td>1</td>
<td>1</td>
<td>On</td>
<td>210</td>
<td>110</td>
<td>85</td>
<td>5700</td>
<td>Wide</td>
<td>98%</td>
</tr>
<tr>
<td>4 W Bulb</td>
<td>1</td>
<td>1</td>
<td>On</td>
<td>410</td>
<td>110</td>
<td>85</td>
<td>6000</td>
<td>Wide</td>
<td>98%</td>
</tr>
<tr>
<td>Torch</td>
<td>1</td>
<td>3</td>
<td>Side light on high</td>
<td>46</td>
<td>140</td>
<td>84</td>
<td>6300</td>
<td>Wide</td>
<td>100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Front light On</td>
<td>39</td>
<td>120</td>
<td>83</td>
<td>6300</td>
<td>Wide</td>
<td>100%</td>
</tr>
</tbody>
</table>

* Lumen efficacy is the power consumption at a light point during the light output test.
† Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.
‡ Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)
§ Percent of the original light output that remains after 2,000 hours of run time

PORTS

<table>
<thead>
<tr>
<th>Port</th>
<th>Connector Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>USB 2.0 type A</td>
<td>Mobile phones and radios can be charged. Adapters are not included.</td>
</tr>
<tr>
<td>4</td>
<td>Barrel jack</td>
<td>Four 12 V ports available to charge devices and power appliances; three of these ports are used for light points only.</td>
</tr>
</tbody>
</table>

DURABILITY

Overall durability and workmanship: Pass

Durability tests passed:
- Switch test
- Strain relief test
- Physical ingress protection. The torch met IP6X

Level of water protection:
- Main Unit: Water ingress protection not tested, meant for indoor use only.
- PV module: Has protection from permanent outdoor exposure
- Bulb: Water ingress protection not tested, meant for indoor use only.
- Torch: Has protection from permanent outdoor exposure; met IPX5

SOLAR DETAILS

- PV module type: Polycrystalline silicon
- PV maximum power: 75 watts

MAIN UNIT BATTERY DETAILS

- Battery replaceability: Not easily replaceable with common tools.
- Battery chemistry: Lithium iron phosphate
- Battery package type: 4S3P
- Battery capacity: 18 Ah
- Battery nominal voltage: 12.8 V
- Battery status indication: One digital display shows remaining battery capacity, estimated remaining use time, estimated time to fully charge, and remaining PAYG credits. One green LED indicates charging status.

MARKS AND CERTIFICATIONS


PRODUCT DETAILS

- Manufacturer name: Omnivoltaic Energy Solutions Co., Ltd.
- Product name: Solar Powered Home Electric System
- Product model / ID number: HS2-230_LB124_KEYP
- Contact information: sales@omnivoltaic.com
- Website: www.omnivoltaic.com
- Dimensions (entire product in package): Multiple packages. Contact manufacturer for information.
- Mass: Multiple packages. Contact manufacturer for information.

SSS INFORMATION

- Specs sheet expiration date: April 30, 2022
- Quality standards framework version: 2020
- Revision: 2020.04