Meet the Lighting Global Solar Home System Kit Quality Standards

Mobile charging
Light point(s)
Plug-and-play

WARRANTY INFORMATION
A 2-year warranty covering manufacturing defects in the system and battery, and a 1-year warranty covering all appliances.

PERFORMANCE DETAILS

<table>
<thead>
<tr>
<th>Appliance³</th>
<th>Description</th>
<th>Used aloneᵇ</th>
<th>Used in combinationᶜ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main lighting unit</td>
<td>4 light points on High totaling 1040 lumens and 8.5 W power</td>
<td>7.7 hours</td>
<td>2.2 hours</td>
</tr>
<tr>
<td>Mobile phone</td>
<td>Basic phone (3.7 Wh battery)</td>
<td>12.4 full charge(s)</td>
<td>0.5 full charge(s)</td>
</tr>
<tr>
<td>Radio</td>
<td>portable [Li-ion] battery: 1800 mAh, 3.7 V, with a power consumption of 0.3 W while in-use</td>
<td>150 hours</td>
<td>1.7 hours</td>
</tr>
<tr>
<td>Torch</td>
<td>350 lumen torch, [Li-ion] battery: 1800 mAh, 3.7 V</td>
<td>20 hours</td>
<td>2.2 hours</td>
</tr>
<tr>
<td>Fan</td>
<td>16&quot; Fan with 10 W power consumption while in-use</td>
<td>6.9 hours</td>
<td>2.6 hours</td>
</tr>
<tr>
<td>Television</td>
<td>19&quot; diagonal (9.5 W power consumption while in-use)</td>
<td>7.5 hours</td>
<td>1.1 hours</td>
</tr>
</tbody>
</table>

Available daily electrical energy⁴ (Wh/day) 66

Performance measure
Lighting full battery run time⁵ for main unit (hours) 7.7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product) 8000

LIGHTING DETAILS

<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 efficacy⁶ (lm/W)</th>
<th>CRI⁷</th>
<th>CCT⁸</th>
<th>Distribution type</th>
<th>Lumen maintenance⁹</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED Lamp</td>
<td>4</td>
<td>2</td>
<td>High</td>
<td>260</td>
<td>120</td>
<td>83</td>
<td>5050</td>
<td>Wide</td>
<td>100%</td>
</tr>
</tbody>
</table>

² Lumen efficacy is the power consumption at a light point during the light output test.
³ Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.
⁴ Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)
⁵ Percent of the original light output that remains after 2,000 hours of run time

Results based on test procedures detailed in IEC 62257-9-5 v.4
Verify online: www.lightingglobal.org/products/ls-pboxp6

PBOX P6
Leadsun Technology Co. Ltd Powerband Green Energy Ltd.
Results based on test procedures detailed in IEC 62257-9-5 v.4
Verify online: www.lightingglobal.org/products/ls-pboxp6
Valid until June 30 2022
### Main Unit Battery Details
- **Battery replaceability**: Not easily replaceable with common tools.
- **Battery chemistry**: Lithium iron phosphate
- **Battery package type**: 4 x 32650
- **Battery capacity**: 5.8 Ah
- **Battery nominal voltage**: 3.2 V
- **Battery status indication**: Four LEDs indicate solar charging status and battery level and one red LED indicates fault status

### Solar Details
- **PV module type**: Polycrystalline silicon
- **PV maximum power**: 19 watts

### Marks and Certifications
- **Factory certification**: ISO 9001:2015

### Product Details
- **Manufacturer name**: Leadsun Technology Co. Ltd/ Powerband Green Energy Ltd.
- **Product name**: PBOX P6
- **Product model / ID number**: P6B80S20
- **Contact information**: Freddy Tong, sales@pboxlighting.com, (+86)756-868-0199
- **Website**: www.pboxlighting.com
- **Co-brand of**: PBOX P6 Solar Home System, Leadsun Technology Co. Ltd
- **Dimensions (entire product in package)**: 46 x 37 x 14 cm
- **Mass**: 5050 g

### SS1 Information
- **Specs sheet expiration date**: June 30 2022
- **Quality standards framework version**: 2020
- **Revision**: 2020.06