Mobisol Bright Future 200 W SHS-32" TV

Results based on test procedures detailed in Lighting Global Solar Home System Test Method, Ed. 2.0

Available Daily Electrical Energy (Wh/day)

<table>
<thead>
<tr>
<th>Lumens</th>
<th>600</th>
</tr>
</thead>
</table>

Pay-As-You-Go Option Available

Mobile Charging

Three or four years for the main unit and lights, depending on the customer contract and two years for the TV, antenna, and phone charger

Performance Details

<table>
<thead>
<tr>
<th>Appliance</th>
<th>Description</th>
<th>Included with kit?</th>
<th>Power (W)</th>
<th>Used Alone</th>
<th>Used In Combination</th>
<th>Run Time Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main lighting</td>
<td>12 light points on totaling 5700 lumens</td>
<td>included</td>
<td>42</td>
<td>14</td>
<td>11.0</td>
<td>hours</td>
</tr>
<tr>
<td>Torch</td>
<td>45 lumens</td>
<td>included</td>
<td>--</td>
<td>2300</td>
<td>11.0</td>
<td>hours</td>
</tr>
<tr>
<td>Television</td>
<td>32&quot; diagonal</td>
<td>sold separately</td>
<td>21</td>
<td>29</td>
<td>5.4</td>
<td>hours</td>
</tr>
<tr>
<td>Radio</td>
<td>portable (3.7 Wh battery)</td>
<td>sold separately</td>
<td>--</td>
<td>705</td>
<td>8.1</td>
<td>hours</td>
</tr>
<tr>
<td>Mobile Phone</td>
<td>Basic phone (3.7 Wh battery)</td>
<td>advertised</td>
<td>--</td>
<td>110</td>
<td>2.7</td>
<td>number of full charges</td>
</tr>
</tbody>
</table>

Available daily electrical energy (Wh/day): 600

Performance Measure

<table>
<thead>
<tr>
<th>Measure</th>
<th>Brightness Setting: 12 3.5 W bulbs on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting full battery run time (hours)</td>
<td>14</td>
</tr>
<tr>
<td>Total light output in lumens</td>
<td>5700</td>
</tr>
</tbody>
</table>

a A typical day of solar charging assumes 5 kWh/m²/day
b Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.
c Without any other loads used during the run time
d Based on an example use profile with all of the appliances listed above used in combination
e 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.
f 1 candle or kerosene wick lamp = approximately 10 lumens
## Lighting Details

<table>
<thead>
<tr>
<th>Lamp Name</th>
<th>Type</th>
<th>Number of Settings</th>
<th>Light Output (lm)</th>
<th>Lumen Efficacy (lm/W)</th>
<th>CRI&lt;sup&gt;g&lt;/sup&gt;</th>
<th>CCT&lt;sup&gt;h&lt;/sup&gt;</th>
<th>Distribution Type</th>
<th>Lumen Maintenance&lt;sup&gt;i&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 W Bulb</td>
<td>LED</td>
<td>1</td>
<td>474</td>
<td>137</td>
<td>81</td>
<td>Cool (5000-7000 K)</td>
<td>Wide</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>2 W Bulb</td>
<td>LED</td>
<td>1</td>
<td>204</td>
<td>102</td>
<td>82</td>
<td>Cool (5000-7000 K)</td>
<td>Wide</td>
<td>&gt;99%</td>
</tr>
</tbody>
</table>

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

<sup>h</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, near daylight, or cool.

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

## Special Features

- **Mobile charging and appliances**: USB and 12 V ports available to charge devices and power appliances
- **Pay-as-you-go**: Smart technology for PAYG payments, automated loan accounting and SHS monitoring

## Durability

- **Overall durability and workmanship**: Pass
- **Durability tests passed**: Switch and connector cycling, strain relief test, physical ingress protection test. Drop test (applies to torch). Water ingress protection not tested; meant for indoor use only.

## Solar Details

- **PV module type**: Polycrystalline silicon
- **PV maximum power**: 200 watts

## Battery Details

- **Battery replaceability**: Not easily replaceable with common tools
- **Battery chemistry**: Sealed lead-acid
- **Battery package type**: 40 cm x 27 cm x 17 cm
- **Battery capacity**: 96 Ah
- **Battery nominal voltage**: 12 V
- **Battery Status Indication**: 4 LEDs indicate the status of the battery

## Marks and Certifications

- **Factory certification**: ISO 9001
- **Other certification**: TV tested in accordance with IEC 60065, PV panel tested in accordance with IEC 61215

## Product Details

- **Manufacturer name**: Mobisol
- **Product name**: Mobisol Bright Future 200 W SHS-32” TV
- **Product model / ID number**: SC82
- **Contact information**: communications@plugintheworld.com
- **Website**: www.plugintheworld.com
- **Dimensions (entire product in package)**: Components Packaged Separately: Main Unit: 40 cm x 27 cm x 17 cm, TV: 73 cm x 43 cm x 7 cm Bulb: 6 cm x 6 cm x 10 cm, PV module: 132 cm x 98 cm
- **Weight**: 59425 g

## SSS Information

- **Specs sheet expiration date**: January 31, 2020
- **Quality Standards Framework Version**: 2018
- **Revision**: 2018.01