WOWsolar TV
Amped Innovation PBC

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

Valid Until: June 30, 2020

Available Daily Electrical Energy (Wh/day)

<table>
<thead>
<tr>
<th></th>
<th>Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Light Points</td>
<td>480</td>
</tr>
</tbody>
</table>

Meets Lighting Global Quality Standards

Mobile Charging

PAYG Pay-As-You-Go Available

Warranty Information
A 2-year warranty covering manufacturing defects for the system and a 1-year warranty for the TV.

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>4 light points on totaling 480 lumens</td>
<td>included</td>
<td>3.4</td>
<td>27</td>
<td>11.0</td>
<td>hours</td>
</tr>
<tr>
<td>Television</td>
<td>19&quot; diagonal</td>
<td>included</td>
<td>10.4</td>
<td>11</td>
<td>5.4</td>
<td>hours</td>
</tr>
<tr>
<td>Radio</td>
<td>portable (3 Wh battery)</td>
<td>advertised</td>
<td>--</td>
<td>124</td>
<td>8.4</td>
<td>hours</td>
</tr>
<tr>
<td>Mobile Phone</td>
<td>Basic phone (3.7 Wh battery)</td>
<td>advertised</td>
<td>--</td>
<td>210</td>
<td>2.8</td>
<td>number of full charges</td>
</tr>
</tbody>
</table>

Available daily electrical energy (Wh/day): 113

Performance Measure

<table>
<thead>
<tr>
<th>Description</th>
<th>Brightness Setting: 4 lamps on high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting full battery run timea (hours)</td>
<td>21</td>
</tr>
<tr>
<td>Total light output in lumensf</td>
<td>480</td>
</tr>
</tbody>
</table>

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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>Round Lamp</td>
<td>LED</td>
<td>2</td>
<td>120</td>
<td>114</td>
<td>74</td>
<td>Daylight (&gt; 5000 K)</td>
<td>Wide</td>
<td>&gt;90%</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, cool, or daylight.

<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.

### Durability

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

### Solar Details

- **PV module type**: Polycrystalline silicon
- **PV maximum power**: 35 watts

### Battery Details

- **Battery replaceability**: Not easily replaceable with common tools
- **Battery chemistry**: Lithium iron phosphate
- **Battery package type**: 18650 x 4) x 5 (1 in the main controller and 4 in the external battery)
- **Battery capacity**: 1500 mAh (main unit) and 5700 mAh (external battery)
- **Battery nominal voltage**: 12.8 V
- **Battery Status Indication**: Seven LED indicators on the right side formed a digital display screen to show the battery level.

### Product Details

- **Manufacturer name**: Amped Innovation PBC
- **Product name**: WOWsolar TV
- **Product model / ID number**: WOWsolar TV
- **Contact information**: info@ampedinnovation.com
- **Website**: www.ampedinnovation.com
- **Dimensions (entire product in package)**: not applicable, product comes in multiple packages
- **Weight**: 5230 g

### SSS Information

- **Specs sheet expiration date**: June 30, 2020
- **Quality Standards Framework Version**: 2018
- **Revision**: 2018.08