### Performance Details

<table>
<thead>
<tr>
<th>Appliance</th>
<th>Description</th>
<th>Included with kit?</th>
<th>Power (W)</th>
<th>Used Alone (hr)</th>
<th>Used In Combination (hr)</th>
<th>Run Time Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main lighting</td>
<td>4 light points on totaling 650 lumens</td>
<td>included</td>
<td>3.9</td>
<td>8</td>
<td>6.3</td>
<td>hours</td>
</tr>
<tr>
<td>Mobile Phone</td>
<td>Basic phone (3.7 Wh battery)</td>
<td>advertised</td>
<td>--</td>
<td>6</td>
<td>1.8</td>
<td>number of full charges</td>
</tr>
</tbody>
</table>

Available daily electrical energy (Wh/day): 36

### Performance Measure

- **Lighting full battery run time** (hours): 7.8
- **Total light output in lumens**: 650

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**Notes:**

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

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**Available Daily Electrical Energy (Wh/day)**

- **36 Lumens**
- **650 Lumen**

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**Omnivoltaic Energy Solutions Co., Ltd.**

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

Valid Until: August 31, 2020

Verify online: www.lightingglobal.org/products/omni-M600
**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>CRIG</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>Main Lamp- Super</td>
<td>LED</td>
<td>3</td>
<td>320</td>
<td>160</td>
<td>82</td>
<td>Daylight (&gt; 5000 K)</td>
<td>Wide</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Secondary Lamp- Super</td>
<td>LED</td>
<td>3</td>
<td>110</td>
<td>160</td>
<td>82</td>
<td>Daylight (&gt; 5000 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, 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. Main Lamp has protection from occasional rain (Met requirement with a warning label) Water ingress protection not tested for secondary lamp; meant for indoor use only.

**Solar Details**

PV module type | Polycrystalline silicon
PV maximum power | 12 watts

**Battery Details**

Battery replaceability | Not easily replaceable with common tools
Battery chemistry | Lithium-ion
Battery package type | 2 X (2 X 18650)
Battery capacity | 4.9 Ah
Battery nominal voltage | 7.2 V
Battery Status Indication | Three indicators show the level of charge of the battery

**Marks and Certifications**

Factory certification | ISO9001:2008

**Product Details**

Manufacturer name | Omnivoltaic Energy Solutions Co., Ltd.
Product name | LUMN M600
Product model / ID number | M600
Contact information | sales@omnivoltaic.com
Website | www.omnivoltaic.com
Dimensions (entire product in package) | components packaged separately
Weight | 2150 g

**SSS Information**

Specs sheet expiration date | August 31, 2020
Quality Standards Framework Version | 2018
Revision | 2018.08