### Performance Details

<table>
<thead>
<tr>
<th>Performance Measure</th>
<th>Brightness Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High</td>
</tr>
<tr>
<td>Full battery run time* (hours)</td>
<td>14</td>
</tr>
<tr>
<td>Run time per day of solar charging* (hours)</td>
<td>7.6</td>
</tr>
<tr>
<td>Total light output (lumens)</td>
<td>97</td>
</tr>
<tr>
<td>Total lighting service (lumen-hours / solar-day)</td>
<td>740</td>
</tr>
</tbody>
</table>

* 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.

### Lighting Details

<table>
<thead>
<tr>
<th>Description</th>
<th>LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp type</td>
<td></td>
</tr>
<tr>
<td>Description of light points</td>
<td>3 LEDs per light point</td>
</tr>
<tr>
<td>Colour characteristics</td>
<td>CRI 87</td>
</tr>
<tr>
<td>Distribution type</td>
<td>Wide</td>
</tr>
<tr>
<td>Lumen maintenance</td>
<td>98% of the original output remains after 2,000 hours run time</td>
</tr>
</tbody>
</table>

### Special Features

- Mobile charging: Includes USB port for mobile charging.
- Indicators: One indicator displays the battery’s state of charge.
<table>
<thead>
<tr>
<th><strong>Battery Details</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery replaceability</td>
<td>Easily replaceable with common tools, however warranty is void if product is opened.</td>
</tr>
<tr>
<td>Battery chemistry</td>
<td>Lithium iron phosphate</td>
</tr>
<tr>
<td>Battery package type</td>
<td>custom</td>
</tr>
<tr>
<td>Battery capacity</td>
<td>3100 mAh</td>
</tr>
<tr>
<td>Battery nominal voltage</td>
<td>3.2 V</td>
</tr>
<tr>
<td>Appropriate battery protection circuit</td>
<td>Pass</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Solar Details</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PV module type</td>
<td>Polycrystalline silicon</td>
</tr>
<tr>
<td>PV maximum power point</td>
<td>1.8 watts</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Marks and Certifications</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other certification</td>
<td>CE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Product Details</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer name</td>
<td>fosera Group</td>
</tr>
<tr>
<td>Product name</td>
<td>Pico Solar Home System 3000</td>
</tr>
<tr>
<td>Product model / ID number</td>
<td>PSHS 3000</td>
</tr>
<tr>
<td>Contact information</td>
<td><a href="mailto:info@fosera.com">info@fosera.com</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.fosera.com">www.fosera.com</a></td>
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</table>

<table>
<thead>
<tr>
<th><strong>SSS Information</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Specs sheet expiration date</td>
<td>July 31, 2019</td>
</tr>
<tr>
<td>Quality Standards Framework Version</td>
<td>2017</td>
</tr>
<tr>
<td>Revision</td>
<td>2017.07</td>
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</tbody>
</table>