MAPLE 3 SOLAR ENERGY SYSTEM

Maple 3 solar energy system is a compact and portable multi-functional device. It can be used as a regular light at home or for camping, as a SOS signal in emergency, and as a mobile power bank for consumer electronics, such as mobile phones or other 5 V DC electronic devices.

Maple 3 is a very economical power solution for people in areas with no access to electricity. It is also a very convenient lighting/charging solution for people who love to spend time in nature, such as camping, hiking and etc...

SYSTEM FEATURES & BENEFITS

- Solar module provides solar power to lithium battery
- Battery can also be charged by AC power via adapter
- 4400 mAh high quality lithium battery capacity
- BMS to protect battery from overcharging, over discharging or short circuit
- Real-time battery volume indicator
- About 8 hours to fully charge the battery by solar module
- About 5 hours to fully charge the battery using AC power Adaptor
- System is designed with a life time up to 5 years

MANAGEMENT SYSTEM CERTIFICATES

- ISO 9001:2008 / Quality management system
- ISO 14001:2004 / Standards for environmental management system
- OHSAS 18001:2007 / International standards for occupational health & safety

PRODUCT CERTIFICATES

- CFR 47, FCC Part 15 Subpart B
- ANSI C63.4-2014
- EN 61547: 2009
- ISO 9001:2008 / Quality management system
- ISO 14001:2004 / Standards for environmental management system
- OHSAS 18001:2007 / International standards for occupational health & safety

CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading PV project developer and manufacturer of solar modules with over 30 GW deployed around the world since 2001, Canadian Solar Inc. is headquartered in Canada, and was ranked #1 Module Supplier for Quality and Performance/Price Ratio in the latest IHS Module Customer Insight Survey.
SYSTEM INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PV Module</td>
<td>3 W, 5.5 V</td>
</tr>
<tr>
<td>Lighting Power &amp; luminance</td>
<td>0.05/0.7/1 W</td>
</tr>
<tr>
<td></td>
<td>4/65/100 lm</td>
</tr>
<tr>
<td>SOS Power &amp; luminance</td>
<td>1 W, 100 lm</td>
</tr>
<tr>
<td>USB Rated output</td>
<td>5 V/1 A</td>
</tr>
<tr>
<td>Charging Temperature Range</td>
<td>0-45°C</td>
</tr>
<tr>
<td>Discharging Temperature Range</td>
<td>-20-50°C</td>
</tr>
<tr>
<td>Battery Capacity</td>
<td>4400 mAh (CSFD-3-C2)</td>
</tr>
<tr>
<td></td>
<td>2200 mAh (CSFD-3-C1)</td>
</tr>
<tr>
<td>Weight</td>
<td>568g (CSFD-3-C2)</td>
</tr>
<tr>
<td></td>
<td>500g (CSFD-3-C1)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>182 x 156 x 82 mm</td>
</tr>
<tr>
<td>Protection Rating</td>
<td>IP20</td>
</tr>
<tr>
<td>Warranty</td>
<td>One Year</td>
</tr>
</tbody>
</table>

SYSTEM COMPONENTS AND FUNCTIONS

The total system components includes PV Module, Energy Storage Lamp, USB Cable and Ring Holder.

- **Solar module**: Converts sunlight into electricity.
- **Li-ion battery**: Stores energy generated by solar module or adaptor.
- **LED lamps**: Three levels of adjustable brightness, SOS flashing functions.
- **USB Port**: Supplies power for small electronic devices, such as phone and USB fan etc.
- **Indicators**: Charge, discharge, alarm and real-time battery indicator.
- **System protection**: Protects battery from overcharging, short circuit and over discharging, meanwhile protects USB output port from overload and short circuit.

SYSTEM PERFORMANCE WITH FULL BATTERY

- **Lighting Hours**
  - Night Light: 45 Days (8 Hours / Day)
  - Indoor Lighting: 8 Days (3 Hours / Day)
  - Outdoor Lighting: 5 Days (3 Hours / Day)

- **SOS**: 72 Hours

- **USB Output (5V / 1A)**: 3 Hours
  - iPhoneX / iPhone 8 Plus: 1.5 Times

*The above data are based on CSFD-3-C2 which is measured under 25 °C. Under Standard Test Conditions (STC) of irradiance of 1000 W/m². To extend battery life, it is recommended that the lamp is charged once every three months.

OUR COMMITMENT TO QUALITY

The system comes with one-year limited warranty. The warranty shall be effective after shipment from Canadian Solar Inc. to the direct buyer. The limited warranty does not cover normal wear and tear or misuse, or any damage caused as a result of abusing, altering, improperly installing or using the system, unauthorized servicing, modifying, improperly storing or transporting, or damage caused by power failures, natural disasters or other events that are out of Canadian Solar’s control.

**PARTNER SECTION**

* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Canadian Solar Inc. reserves the right to make necessary adjustment to the information described herein at any time without further notice.

**CANADIAN SOLAR INC.**

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