



MAPLE 3 SOLAR ENERGY SYSTEM

Maple 3 solar energy system is a multi-functional device which can be used as a regular light at home or for camping, as a SOS signal in emergency, a mobile power bank for consumer electronics, such as phones, PAD, MP3 etc.... Maple 3 can also power 5 V DC electronic devices.

Maple 3 is a very economical 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... electronic devices.

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 9001:2015 / Quality management system
ISO 14001:2015 / 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 55015: 2013 +A1:2015
EN 61547: 2009



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 33 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.

CANADIAN SOLAR INC.

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SYSTEM INFORMATION

PV Module	3 W, 5.5 V
Lighting Power & luminance	0.05/0.7/1 W 4/65/100 lm
SOS Power & luminance	1 W, 100 lm
USB Rated output	5 V/1 A
Charging Temperature Range	0-45°C
Discharging Temperature Range	-20-50°C
Battery Capacity	4400 mAh (CSFD-3-C2) 2200 mAh (CSFD-3-C1)
Weight	568g (CSFD-3-C2) 500g (CSFD-3-C1)
Per Carton	30 pcs
Per Pallet	720 pcs
Per Container (20' HQ)	7200 pcs
Per Container (40' HQ)	14400 pcs
Dimensions	182 x 156 x 82 mm
Protection Rating	IP20
Warranty	One Year

SYSTEM PERFORMANCE WITH FULL BATTERY



Lighting Hours:

Night Light	45 Days (8Hours / Day)
Indoor Lighting	8 Days (3Hours / Day)
Outdoor Lighting	5 Days (3Hours / 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.



* 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.

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 protect:** Protects battery from overcharging, short circuit and over discharging, meanwhile protects USB output port from overload and short circuit.

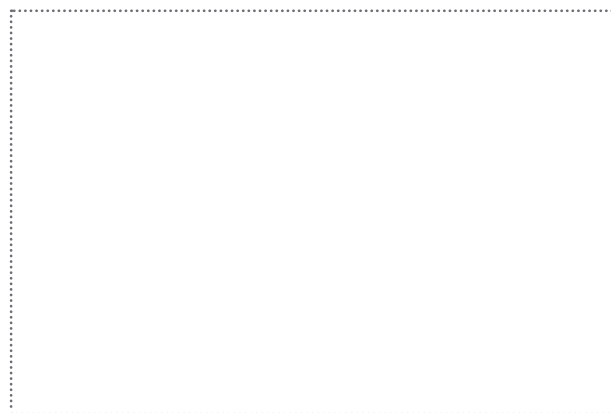
OUR COMMITMENT TO QUALITY

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



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