

MAPLE 3 SOLAR ENERGY SYSTEM MANUAL

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.



PRODUCT CERTIFICATES

CFR 47, FCC Part 15 Subpart B
ANSI C63.4-2014
EN 55015: 2013 +A1:2015
EN 61547: 2009



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

TECHNICAL DATA

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

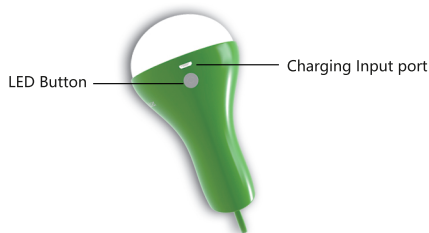
SYSTEM FEATURES & BENEFITS

- 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




HOW TO OPERATE ENERGY STORAGE LAMP

Button Operation

Press 1 time	Night Light Mode
Press 2 times	Indoor Mode
Press 3 times	Outdoor Mode
Press 4 times	Off
Press for 3 seconds and release	SOS
Press and hold for 6 seconds	Power Saving Mode



SYSTEM PERFORMANCE WITH FULL BATTERY

	Lighting Hours:	
	Night Light	45 Days (8 Hours Per Day)
	Indoor Lighting	8 Days (3 Hours Per Day)
	Outdoor Lighting	5 Days (3 Hours Per Day)
	SOS	72 Hours
	USB Output (5V/1A)	3 Hours
	iPhone X / iPhone 8 Plus	1.5 Times

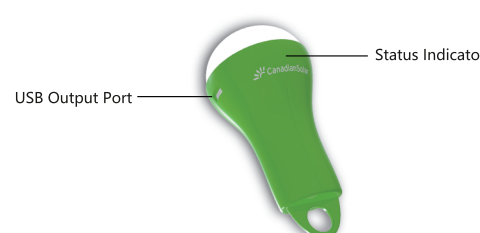
*Solar energy produced by CSFD-3-C2 module is measured under 25°C;
Under Standard Test Conditions (STC) of irradiance of 1000 w/m², 25°C;
To extend battery life, it is recommended that the lamp is charged once every three months.

Red Indicator:

USB output overload or short circuit

Green Charging Indicator:

On: charging
Off: charge complete



SYSTEM COMPONENTS

PV Module, Energy Storage Lamp, USB Cable and Ring Holder.

PRECAUTIONS

To prevent personal injury, injury to others, or damage to property, please follow the following instructions. Improper use of the system may cause harm or damage.

- Do not expose any part of the product to rain or immerse it in water.
- Do not place the product near explosive or flammable objects.
- Do not disassemble the product.
- Do not use PV module to charge any devices directly, such as phone and MP3 .
- Do not charge the lamp at the ambient temperatures higher than 45°C, such as the enclosed car in the summer.
- Do not hang any foreign objects on the USB cable.

WARRANTY

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.

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.

Product barcode