



ATLAS MINI SOLAR HOME SYSTEM

Canadian Solar's innovative Atlas mini solar home system is designed to provide an economical source of electricity to homes and communities without reliable access to electricity or where electricity supply is scarce.



System Warranty

SYSTEM APPLICATIONS



Home



Smartphone



Camping



MP3



Travelling



Lamp



Boating



RV



Emergency



USB Fan

10 / 20 Wp system available

Charged by solar module or AC adapter

Maintenance-free lead-acid battery

Indicator for status of battery capacity

12 V & 5 V DC port for electrical devices

3 W LED lights up to 240 Lumen

Highly portable, easy plug and play installation

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 one of the most bankable solar companies worldwide.

CANADIAN SOLAR INC.

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COMPONENTS



Main Unit

4 pieces 12 V Output Port
2 pieces 5 V (USB) Output Port

Solar Module

10 Wp, 5 m cable
20 Wp (Folded), 5 m cable

LED Kits

3 W LED Lamp, 5 m cable
3 W LED Lamp, 10 m cable (optional)

TECHNICAL DATA

Technical Data	CSFDC-10-1207B1	CSFDC-20-1212B1
System Voltage	12 V _{DC}	12 V _{DC}
Solar Module	10 Wp	20 Wp
Battery Capacity	7 Ah	12 Ah
LED Lamp	12 V, 3 W	12 V, 3 W
System Dimension (mm)	346 x 276 x 204	346 x 276 x 204
System net Weight (kg)	4.7	7.3

LOAD REFERENCE

Load	CSFDC-10-1207B1	CSFDC-20-1212B1
3 W Lamp only	20 h	34 h
5 W USB Charger only	12 h	20 h

The above load working time is an estimation, based on a fully charged battery.

SYSTEM COMPONENTS

- **Solar Module:** Converts sunlight into electricity
- **Lead Acid Battery:** Stores energy generated by solar module
- **Controller:** Protects battery from overcharge and overdischarge, protects USB output from overload and short circuit, solar module and battery from reverse polarity
- **Indicator:** Displays the status of battery charge and discharge, overdischarge, output overload, output short circuit and the capacity of battery
- **USB Port:** Supplies power for small electronic devices

OUR COMMITMENT TO QUALITY

The Atlas mini Solar Home System comes with high quality, reliability and value. Our continuous innovation, meticulous design and production techniques, combined with rigorous quality control, in-house testing and adherence to strict international quality standards, ensure the Atlas mini Solar Home System the best in class in today's off-grid product market.

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.

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