



1 year System Warranty

ANDES DC SOLAR HOME SYSTEM

Canadian Solar's innovative and aesthetic Andes Solar Home System (Andes SHS) is designed to provide more economical source of electricity to homes and communities without access to electricity or where electricity supply is scarce.

SYSTEM APPLICATIONS



Lighting



USB Fan



Radio



12 V TV



Smart phone



Emergency

PRODUCT CERTIFICATES

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- 7200 iPhone or 1500 iPad recharge cycles during battery system lifetime of two years
- Bright 3 W LED Lights up to 240 Lumens, as bright as a 25 W light bulb
- Supplies power for small electronic devices as TV, fan and smart phone
- Integrated digital AM/FM radio with 3 W speaker
- Salt mist corrosion resistant
- Plug and play, easy installation, highly portable
- Maintenance-free lead-acid battery

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 20 GW deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

CANADIAN SOLAR INC.

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SYSTEM COMPONENTS

PV module	Main unit	Battery	Cable & lamp	DC 12 V port	DC 5 V port (USB)
					
1 piece PV module with 5 m cable	1 piece Material: ABS	1 piece Integrated in the main unit	2 pieces 3 W LED lamps 5 m lamp cable 10 m lamp cable (optional)	2 pieces Rated output voltage: 12 V 2 ports total current: 2.5 A	2 pieces Rated output voltage: 5 V Rated output current: 2 A

TECHNICAL DATA

Technical Data CSFDC	20-1218A1	30-1224A1	30-1224A2	50-1233A1	50-1233A2
System Voltage	12 V _{DC}	12 V _{DC}	12 V _{DC}	12 V _{DC}	12 V _{DC}
PV Module	20 Wp	30 Wp	30 Wp	50 Wp	50 Wp
Main Unit Packing (mm)	483×338×321	483×338×321	483×338×321	483×338×321	483×338×321
Module Packing (mm)	575×362×35	705×422×35	705×422×35	705×619×35	705×619×35
Net Weight (kg)	12.6	14.5	14.5	19.2	19.2
Battery Capacity	18 Ah	24 Ah	24 Ah	33 Ah	33 Ah
Radio	-	-	AM/FM	-	AM/FM

The above load consumptions are an estimation, based on daily solar radiation level of 5 kWh/m²/day.

SYSTEM LOAD REFERENCE

Load CSFDC	20-1218A1	30-1224A1	30-1224A2	50-1233A1	50-1233A2
3 W lamp only	55 h	73 h	73 h	101 h	101 h
Radio only	55 h	73 h	73 h	101 h	101 h
5 W USB Charger only	33 h	44 h	44 h	61 h	61 h
10 W USB Charger only	17 h	22 h	22 h	30 h	30 h

SYSTEM COMPONENTS

- **PV Module:** Converts sunlight into electricity
- **Lead Acid Battery:** Stores energy generated by the PV module
- **System Controller:** Provides battery overcharge and overdischarge protection, DC output overload and short circuit protection, PV module and battery reverse polarity protection, reverse discharge protection from battery to PV and temperature compensation functions
- **LED Display:** Displays the status of battery charge and discharge, overdischarge, output short circuit and overload
- **USB Port:** For iPad, smart phone, radio, and other electronic devices
- **Integrated Radio (optional):** Receives radio channels on the FM/AM dual frequency band

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Canadian Solar Inc. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. This datasheet is written in English with Chinese (or other language) translation for reference only. In case there are inconsistencies or conflicts between the English version and the Chinese version (or other language version) of this datasheet, the English version shall prevail and take control in all respects.

OUR COMMITMENT TO QUALITY

The Andes 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 that Andes is one of the best in class in today's off-grid product market.

PARTNER SECTION

