CanadianSolar

Andes Solar Home System

Andes Off-Grid Solar Home System

Canadian Solar's Andes Solar Home System (SHS) is an off-grid solar system, designed to provide an economical source of electricity to homes and communities without access to grid electricity or where electricity supply is scarce. The Andes SHS is portable, light-weight, and easy to set-up, making it ideal for situations where emergency power is required.

Running on solar energy, the Andes SHS does not require costly diesel fuel, compared to running a diesel generator. In addition, the Andes SHS - does not produce pollutants, runs quietly and requires little maintenance. It is an ideal and reliable energy source for a wide variety of applications, ranging from lightings, fans, radios, televisions, computers, mobile phones and satellite phones, and as a source of back-up power for use in emergency situations.

Key Features and Benefits

- Highly portable - Easily carried around and quick to install
- Ergonomic appearance and design
- Intuitive user-interface
- Integrated FM/AM Radio and USB sockets
- Reliable and durable performance

For All Your Power Needs

www.canadiansolar.com

The configurations of Andes System

- Solar module – converts sunlight into electricity
- Lead acid battery – stores the energy generated by the solar PV module
- System controller – protects the battery from over-charging and over-discharging
- LED display – displays the status of battery charge and residual power
- USB sockets – to charge cell phones, radio and other electronic devices that require a 5V DC charging voltage
- Integrated Radio (optional) – to receive radio channels on the FM/AM dual frequency band

Andes Solar Home System*

Technical Data

System Model	PV Module	System Type	System Voltage	Battery Capacity	Battery Tolerance with full load (Day)	LED Lamp	5V DC Load	DC Fan (Optional)	Integrated Radio (Optional)
CSFD-20-P	20Wp	DC	12V DC	15Ah	2	2*3W*4h	1*3W*3h	1*5W*3h	1*5W*3h
CSFD-30-P	30Wp	DC	12V DC	24Ah	2	4*3W*4h	1*3W*6h	1*5W*3h	1*5W*3h
CSFD-45-P	45Wp	DC	12V DC	33Ah	2	6*3W*4h	1*3W*9h	1*5W*3h	1*5W*4h

The above load consumptions are an approximate estimation, and assumes daily solar radiation levels of 5KWh/m^2/day

*Mobile Phone is for illustration only, not included

About Canadian Solar

Canadian Solar Inc. is one of the world's largest solar companies. As a leading vertically-integrated manufacturer of ingots, wafers, cells, solar modules and solar systems, Canadian Solar delivers solar power products of uncompromising quality to worldwide customers. Canadian Solar's world class team of professionals works closely with our customers to provide them with solutions for all their solar needs.

Canadian Solar was founded in Canada in 2001 and was successfully listed on NASDAQ Exchange (symbol: CSIQ) in November 2006. Canadian Solar has module manufacturing capacity of 2.05GW and cell manufacturing capacity of 1.3GW.

Headquarters | 545 Speedvale Avenue West
Guelph | Ontario N1K 1E6 | Canada
inquire@canadiansolar.com
www.canadiansolar.com

EN-Rev 1.2 Copyright © 2012 Canadian Solar Inc.