

Andes DC Solar Home System (P Series)

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



Andes DC SHS (P Series)

The configurations of Andes DC SHS (P Series)






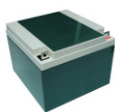

- **Solar module** – converts sunlight into electricity
- **Lead acid battery** – stores the energy generated by the solar PV module
- **System controller** – protects the battery from over-charging and over-discharging
- **LED display** – displays the status of battery charge and discharge, various kinds of system warnings (including low voltage, over discharge, output short circuit and over load warnings)
- **USB sockets** – to charge cell phones and other electronic applications.
- **Integrated Radio&MP3** – to receive radio channels on the FM/AM dual frequency band and have MP3 player

Technical Data and Load Reference of Andes DC SHS (P Series)

Technical data				Load Reference			
System Model	CSFD-20-P	CSFD-30-P	CSFD-45-P	Name of Load	Working Time per Day		
					CSFD-20-P	CSFD-30-P	CSFD-45-P
System Voltage	12V DC	12V DC	12V DC	3W Lamp Only	24 hours	38 hours	52 hours
Output Power Per Day (WH/day)	75Wh	115Wh	160Wh	4W Lamp Only	18 hours	28 hours	40 hours
PV module	20Wp	30Wp	45Wp	Radio Only(3W)	24 hours	38 hours	52 hours
Battery Capacity	15Ah	24Ah	33Ah	3W USB Charger Only	24 hours	38 hours	52 hours

The above load consumptions are an approximate estimation, and assumes daily solar radiation levels of 5KWh/m²/day

Port and Configuration of Andes DC SHS (P Series)

DC Port	USB Port	Control Box with Radio&MP3	Cable and Lamp	Solar Module	Maintenance-free lead-acid GEL battery	Multi-functional cellphone socket
4 pcs Rated Output Voltage:12V Rated Output Current: 3A	1 pcs Rated Output Voltage: 5V Max. Output Power: 7.5W Max. Output Current: 1.5A	1 pcs	5m Cable: 2pcs, 10m Cable:2pcs, Cable diameter: 0.5mm ² 3W LED Lamp: 4pcs	1pcs (Cable Diameter: 2*1.0mm ² Length:10mx1 pcs)	1pcs (Integrated in the Control Box)	1pcs (Support iphone/ Nokia/Moto/Samsung/ SonyEricsson)
						

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 cell manufacturing capacity of 1.5GW and module manufacturing capacity of 2.3GW.

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