

JS-SPS-600 SERIES

Off-grid Solar Power System

HBGL



ABOUT GAIN SOLAR

Founded in 1997, Hebei Green Photoelectric Technology Co., Ltd., which markets its products under the brand "HBGL" is a private high-tech company, specializing in R&D, manufacturing and marketing of photovoltaic (PV) off-grid products and systems. What started as the in-house off-grid PV module production has developed over the years into a full-blown provider of off-grid PV modules, building-integrated PV modules, off-grid PV systems and solar application products. Founded on the Solar technology development, production, and distribution platform, HBGL has rapidly grown to set up branches in major provinces and cities of China and now is expanding its presence to the global level.

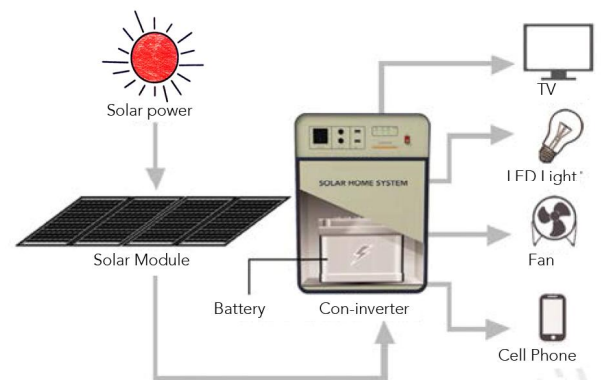
QUALIFICATIONS & CERTIFICATES

HBGL is dedicated to providing high quality off-grid PV products and systems to customers and has received a series of certificates, including ISO9001, CE and RoHS.

GENERAL INTRODUCTION

Solar power system provides alternating current and direct current, which is produced by the modules transforming solar power into electric power, to home lighting, household appliance and other DC appliance, such as cell phone and laptop.

Solar power system is widely used for house power supplying, road monitoring, tunnel power supplying, communication base station, fire prevention in forest area, environmental monitoring, pasture and meadow, fishery, frontier station, especially for the areas lacking of power.



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PRODUCT CONFIGURATION

Item		Parameters	Quantity
System model		JS-SPS-600	-
PV module		17V/140W, 1470×680×25 (mm)	2
Con-inverter	Battery	12V/100AH	2
	Inverter	12V/600VA	1
	Controller	24V/20A	1
	Output terminals	AC220V×1, DC12V×2, USB5V×2	5
Brackets		-	1

TECHNICAL PARAMETERS

Control box

Rated current	20A	Protection function	Reverse connection of battery/ module, short circuit, over load, overcharge, over discharge, etc.
DC over-voltage protection point	31V	Battery	12V/100AH Lead-acid battery
DC under-voltage protection point	20V±2%	Dimension (mm)	460×362 ×573
AC Output voltage	220V±5%	Weight (kg)	134 (including battery)
AC Output frequency	50Hz±5%		

HOW TO USE

Recommended load	Load	Power	Quantity	Run time	Operating condition	H≤5000m ; -10℃~+40℃ ; 90%relative humidity (no coagulation)
	LED light	AC10W	3	5	Storage and transportation conditions	-20℃~ + 70℃
	TV	AC50W	1	8	Noise	< 50DB (with 1m ahead)
	Satellite TV receiver	AC25W	1	8	Solar charging time	7~8hours
	Fan	AC70W	1	6		
	Washing machine	AC380W	1	1		
Protection degree	IP20					

SUCCESS CASES

Project Name : Yunnan Chuxiong Solar Home System
 Project Description : This project is mainly used for Home
 Lighting and Electrical appliances
 Completion time : April 2013

