

# JS-SPS-200 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.

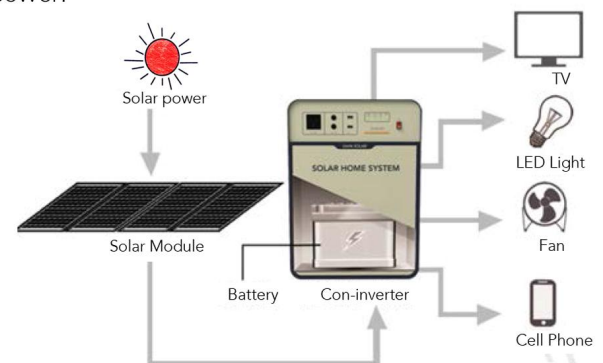
### QUALIFICATIONS & CERTIFICATES

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-200	-
PV module	17V/85W,910×660×25 ( mm )	1
Con-inverter	Battery	12V/55AH
	Inverter	12V/300VA
	Controller	12V/10A
	Output terminals	AC220V×1, DC12V×2, USB5V×2
Brackets	-	-

### TECHNICAL PARAMETERS

#### Control box

Rated current	10A	Protection function	Reverse connection of battery/ module,short circuit,over load,overcharge,over discharge,etc.
DC over-voltage protection point	15.5V		
DC under-voltage protection point	10V±2%	Battery	12V/55AH Lead-acid battey
AC Output voltage	220V±3%	Dimension ( mm )	352×320×517
AC Output frequency	50Hz±5%	Weight ( kg )	75 ( including battery )

### HOW TO USE

Recommended load	Load	Power	Quantity	Run time	Operating condition	H≤5000m ; -10°C~ +40°C ; 90%relative humidity ( no coagulation )
	LED light	AC10W	2	4		
	TV	AC50W	1	3	Storage and transportation conditions	-20°C~ +70°C
	Satellite TV receiver	AC25W	1	3		
	Fan	AC70W	1	2	Noise	< 50DB ( with 1m ahead )
Protection degree	IP20				Solar charging time	7~8hours

### SUCCESS CASES

Project Name : Hebei Mancheng Solar Home System

Project Description : This project is mainly used for Home lighting  
and Electrical appliances

Completion time : October 2012

