

JS-SPS-300 SERIES

Off-grid Solar Power System



ABOUT GAIN SOLAR

Founded in 2007, Baoding Jiasheng Photovoltaic Technology Co., Ltd which markets its products under the brand "Gain Solar", is a wholly owned subsidiary of Yingli Solar, 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 of Yingli Solar 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 Yingli Solar technology development, production, and distribution platform, Gain Solar 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

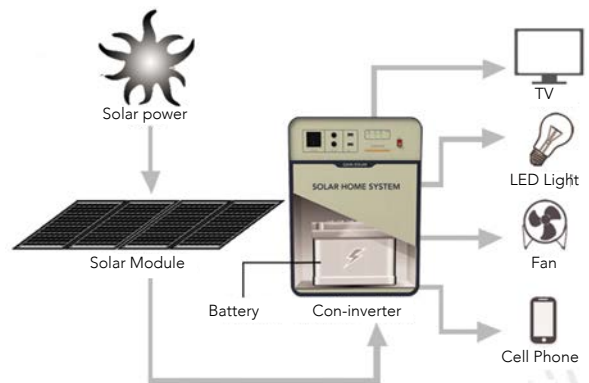
Gain Solar is dedicated to providing high quality off-grid PV products and systems to customers and has received a series of certificates, including ISO9001, TUV, UL, CE, CQC and RoHS.



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.



JS-SPS-300 SERIES

Off-grid Solar Power System



PRODUCT CONFIGURATION

Item	Parameters	Quantity
System model	JS-SPS-300	-
PV module	17V/85W,910×660×25 (mm)	2
Con-inverter	Battery	12V/100AH
	Inverter	12V/300VA
	Controller	12V/20A
	Output terminals	AC220V×1, DC12V×2, USB5V×2
Brackets	-	-

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	15.5V	Battery	12V/100AH Lead-acid battey
DC under-voltage protection point	10V±2%	Dimension (mm)	352×320×517
AC Output voltage	220V±3%	Weight (kg)	75 (including battery)
AC Output frequency	50Hz±5%		

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	5		
	TV	AC50W	1	6		
	Satellite TV receiver	AC25W	1	6		
	Fan	AC70W	1	4	Storage and transportation conditions	-20°C~ +70°C
Protection degree	IP20				Noise	< 50DB (with 1m ahead)
					Solar charging time	7~8hours

SUCCESS CASES

Project Name : District class wu qi county of Tibet Pingan Primary School

Project Description : This project is mainly used for Classroom lighting

Completion time : January 2013

