

Off-grid Solar Power System

- High efficient PV module can produce more power.
- Sine wave output is suitable for all kinds of load. Varieties of DC output, let it more convenient for users.
- The multifunction design make it easy to operation and maintenance.

■ JS-SPS-200



JS-SPS-200

PRODUCT CONFIGURATION

Item		Parameters	Quantity
System model		JS-SPS-200	-
PV module		17V/85W	1
Con-inverter	Battery	12V/50AH	1
	Inverter	12V/200VA	1
	Controller	12V/10A	1
	Output terminals	AC220V×1, DC12V×2, USB5V×2	5
	Dimension(mm)	320×352×517	-
	Weight(kg)	37.5 (include battery)	-
Brackets		-	-

TECHNICAL PARAMETERS

PV module

Module type	YGE85
Power output P _{max} (W)	85
Power output tolerance $\Delta P_{\max}$ (%)	±5
Voltage at P _{max} V _{mpp} (V)	18.1
Current at P _{max} I _{mpp} (A)	4.71
Dimension(mm)	910×660×25
Weight(kg)	6.65

Battery

Type	lead-acid battery
Capacity	12V/50AH

Controller

Rated current(A)	10
DC over-voltage protection point(V)	15.5
Protection function	Reverse connection of battery/module, short circuit, overload, overcharge, overdischarge, etc.

Inverter

Rated power	200VA
Output voltage	220V±5%
Output frequency	50Hz±5%
Output waveform	Sine wave
Output voltage waveform distortion	<3%
DC under-voltage protection point	10V±2%

HOW TO USE

Recom- mended load	Load	Power (W)	Quantity (set)	Run time (h)	Electricity consumption (wh)
	LED light	10	2	4	80
	TV	50	1	3	150
	Satelite TV receiver	25	1	3	75
	Fan	70	1	2	140
Total		155	-	-	445

Operating condition	H≤5000m; -10℃~+40℃; 90%relative humidity(no coagulation)
Storage andtransportation condition	-20℃~+70℃
Noise	<50DB (within 1m)
Protection degree	IP20
Solar charging time	7~8 hours