



Parameters

JS-SPS-1000

PRODUCT CONFIGURATION

Item	Parameters	Quantity
System model	JS-SPS-1000	-
PV module	17V/140W	4
Con-inverter	Battery	12V/100AH
	Inverter	48V/1000VA
	Controller	48V/20A
	Output terminals	AC220V×1, DC12V×2, USB5V×2
	Dimension(mm)	460×362×920
	Weight(kg)	160.5 (include battery)
Brackets	-	2

TECHNICAL PARAMETERS

PV module	
Module type	YGE140
Power output Pmax(W)	140
Power output tolerance ΔP _{max} (%)	±5
Voltage at P _{max} Vmpp(V)	18.0
Current at P _{max} Impp(A)	7.77
Dimension(mm)	1470×680×25
Weight(kg)	10.8
Battery	
Type	lead-acid battery
Capacity	12V/100AH

Controller	
Rated current(A)	20
DC over-voltage protection point(V)	62
Protection function	Reverse connection of battery/module, short circuit, overload, overcharge, overdischarge, etc.
Inverter	
Rated power	1000VA
Output voltage	220V±5%
Output frequency	50Hz±5%
Output waveform	Sine wave
Output voltage waveform distortion	<3%
DC under-voltage protection point	40V±2%

HOW TO USE

Recom- mended load	Load	Power (W)	Quantity (set)	Run time (h)	Electricity consumption (wh)
	LED light	10	6	10	600
	TV	50	1	13	650
	Satelite TV receiver	25	1	13	325
	Fan	70	2	8	1120
	Washing machine	380	1	2	760
	Desktop	200	1	6	1200
Total		735	-	-	4655
Operating condition		H≤5000m; -10℃~+40℃; 90%relative humidity(no coagulation)			
Storage and transportation condition		-20℃~+70℃			
Noise		<50DB (within 1m)			
Protection degree		IP20			
Solar charging time		7~8 hours			