



Solar DC Lighting System

- Multiple protection system, safe and reliable performance.
- Integrated and portable design, easy operation.
- DC5V, DC12V, AC220V output, wide range application.
- Clean energy, cycle use.

■ JS-SPS-05





Parameters

JS-SPS-05

PRODUCT CONFIGURATION

Item	Parameters	Quantity
System model	JS-SPS-05	-
PV module	17V/5W	1
Battery	12V/4.5AH	1
LED light	DC12V/3W, 6m cable	2

TECHNICAL PARAMETERS

PV module

Module type	YGE5
Power output Pmax(W)	5
Power output tolerance ΔP_{max} (%)	± 5
Voltage at P_{max} Vmpp(V)	18.2
Current at P_{max} Impp(A)	0.27
Dimension(mm)	245×250×25
Weight(kg)	0.95

Control box

Rated current(A)	2
DC over-voltage protection point(V)	15
Protection function	Reverse connection of battery/module, short circuit, overload, overcharge, overdischarge, etc.
Output terminals	DC12V×3, USB5V×2
Battery	12V/4.5AH lead-acid battery
Dimension(mm)	150×76×158
Weight(kg)	2.19 (include battery)

HOW TO USE

Recom- mended load	Load	Power (W)	Quantity (set)	Run time (h)	Electricity consumption (wh)
	LED light	3	2	3	18
	Cell phone	2	1	1	2
Total		5	-	-	20

Operating condition	$H \leq 5000m$; $-10^{\circ}C \sim +40^{\circ}C$; 90%relative humidity(no coagulation)
Storage and transportation condition	$-20^{\circ}C \sim +70^{\circ}C$
Noise	<50DB (within 1m)
Protection degree	IP20
Solar charging time	12.6 hours