

Off-grid Solar Home System

Model No.: GPSS-500W



- ◆ 5~6 hours operating time daily
- ◆ 2 system autonomy days
- ◆ Ease of installation and operation
- ◆ Long life span
- ◆ Maintenance free
- ◆ Energy saving

This 500W solar home system is specially designed to satisfy with the electricity needs of small houses, as to produce and power some basic house loads, like lamp, fan, TV, radio, refrigerator etc., which brings you with a perfect turnkey solution by exploiting energy in a maximum as well as save the electricity bill. Daily electricity output could reach to **2~2.5 kwh.**

Technical Specification

Maximum Power	500W
Rated Voltage	24Vdc
Rated Current	21A
Output Voltage	220Vac/110Vac
Output Frequency	50Hz/60Hz
Autonomous days	2
System Efficiency	90%
Solar Panel	4*125W Mono or polycrystalline silicon module
Solar Controller	24V15A Intelligent solar controller
Solar Inverter	500VA Pure sine wave inverter
Battery(optional)	4*12V120Ah Maintenance free Gel or AGM battery
Mounting type(optional)	Rooftop or ground
Cable	10m 2*4mm ² copper wire
System Size	0.3 cbm
System Weight	185 kgs
Container Capacity (20ft)	60 sets

Generpower (Shanghai) Co., Ltd.

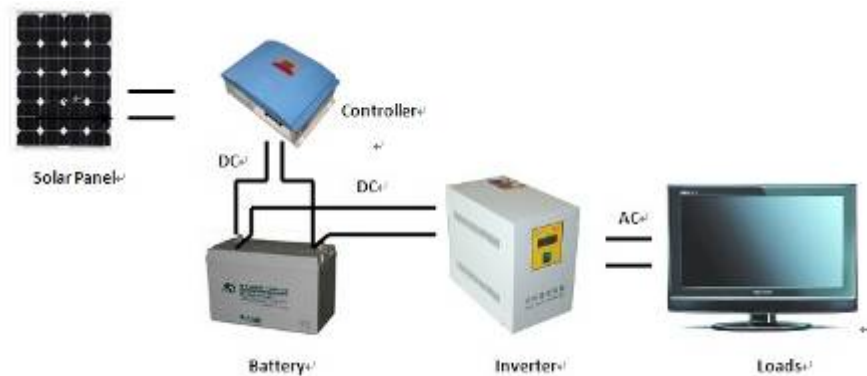
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System Diagram



Loads Reference

Items	Loads Name	Qty	Power(W)	Working hours/day(H)	Power consumption/day(wh)
1	TV	1	90	6	540
2	Video Player	1	10	5	50
3	Light Bulb	4	20	6	480
4	Fan	2	40	6	480
5	Water Pump	1	200	1	200
6	LCD computer	1	100	4	400
In total					2150

Project Pictures



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