

Off-grid Solar Home System

Model No.: GPSS-5000W



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

This series of solar home system is specially designed to satisfy with the electricity needs of residential

application, which is built to produce and supply independent, continuous as well as safe and clean energy for house appliances. It is also an option to add by-pass function onto inverter as to get electricity from utility grid to power loads in case that solar power is insufficient or any failure happens. This brings you a perfect turnkey solution by maximally exploiting renewable solar energy and creates your own power source. The electricity output is generally **20~25kwh**.

Technical Specification

Maximum Power	5000W
Rated Voltage	120Vdc
Rated Current	41A
Output Voltage	380Vac/220Vac/110Vac
Output Frequency	50Hz/60Hz
Autonomous days	2
System Efficiency	90%
Solar Panel	30*170W Mono or polycrystalline silicon module
Solar Controller	120V30A Intelligent solar controller
Solar Inverter	5kVA Pure sine wave inverter
Battery(optional)	20*12V250Ah maintenance –free Gel or AGM battery
Cable	30m 2*10mm ² copper wire
System Size	3 cbm
System Weight	2300 kgs
Container Capacity (20ft)	10 sets

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Loads Reference

Items	Loads	Qty	Power(w)	Working hours(hrs)	Power consumption per day(wh)
1	Refrigerator	1	140	24	3360
2	TV	1	120	6	720
3	Computer	1	200	6	1200
4	Water Pump	1	200	1	200
5	Light Bulb	10	20	6	1200
6	Wash Machine	1	300	1	300
7	Microwave	1	1000	0.5	500
8	Rice Cooker	1	1000	1	1000
9	Water Heater	1	1000	1	1000
10	Air conditioner	2	1000	6	12000
	In total				21480

Project Pictures



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