



3.0 kW Solar Power System

Ground Mount

Data Specifications

Energizing the Future



www.patriotsolargroup.com

Patriot Solar Group (PSG) manufacturing and engineering for the renewable world. We are committed to providing the highest quality products and service in the industry. Our dedicated sales, engineering, and operations staff keeps the customer and the environment at the forefront of their minds while creating a customized solution to fit your renewable needs. PSG will work hand in hand with you from the conception of the project until completion. If you are in the market for a renewable solution and want more than "just a supplier" look to PSG for your manufacturing and engineering needs.

All Patriot Solar mounts are designed to withstand high wind-loading. This gives Patriot the ability to offer our customers and installers, quality and peace-of-mind that the system will assemble together fast and efficient.



Features/Benefits:

- ▶ With weather changes (2 cloudy/rainy days each week), max power generated every day is 17kW
- ▶ Power consumption per day: 8kW
- ▶ Performance loss less than 10% within 10 years, less than 20% within 25 years
- ▶ Three year warranty on system and battery
- ▶ One year warranty on integrated inverter

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System Data

Component Description	Solar Panel	Battery	Integrated Inverter	DC Complex Box	Frame, Wire, etc.
Spec.	250 W	12v 150AH	216v/6000W	6kW	
Number	12pcs	18pcs	1	1	As actual use

Power Consumption Examples

Electrical Appliance	Model	Power Consumption	Number	Working Time Per Day	Power Consumption Per Day	Using Frequency
Lighting 1	Led Lamp	22Wx3	3	6	356Wh	.9
Lighting 2	Led Lamp	11Wx3	3	6	178Wh	.9
Computer	Led Display	100Wx2	2	6	1200Wh	1
Printer	Ink	30W	1	1	30Wh	1
Fax Machine	Ink	50W	1	1	50Wh	1
Color TV	21 in.	75W	1	6	450Wh	1
Refrigerator	150L	130W	1	24	624Wh	.2
Washing Machine		300W	1	1	270Wh	.9
Microwave		1000W	1	.25	150Wh	.6
Oven		2200W	1	2	2200Wh	.5
Air Conditioner	1.5HP	1300W	1	6	2574Wh	.33
Total		5384W			8082Wh	

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