



Portable Power Generators

AC and DC Power Supply System

28W: PSG-PG-00101; 50W: PSG-PG-00102; 100W: PSG-PG-00103

Data Specifications

Engineering and Manufacturing for the Renewable World



www.patriotsolargroup.com

Patriot Solar Group (PSG) is a manufacturer and distributor of solar related products. 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.

This power box is suitable for fieldwork, military needs and remote areas where there is a lack of electricity. It is ideal when there is a demand for power in the field. Our units are able to provide AC and DC electric power for items such as: computers, radio communications and small appliances.

- ▶ Great for supplying temporary power on a construction site
- ▶ Extremely compact for convenient portability
- ▶ Excellent for outdoor events
- ▶ Portable and movable solar power supply box (solar power station) is used for fieldwork without electric supply, such as sea work, army camping and exploration
- ▶ Can deliver up 950 watt hours of electricity to run small appliances in a weekend cabin or during a power failure
- ▶ The system is a small AC and DC power supply system which is designed for the farmers, herdsman, outdoor camping, tourism etc
- ▶ Easy to operate and convenient to carry
- ▶ The controller, inverter and battery are all stored in the aluminium control box

28W Power Generator



Usage:

- ▶ Camping
- ▶ Disaster recovery situations
- ▶ Charging station for computers & mobile phones
- ▶ Portable computer can work for 5 - 6 hours by this power
- ▶ When you need light in night time, you can turn on the DC switch and insert the plug of light wire. It can supply the light power for 160 to 180 hours.

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	28W Power Generator	50W Power Generator	100W Power Generator
Type of Cell	Poly Cell 14W x 2 PCS	Poly Cell 14W x 2 PCS	Poly Cell 25W x 4 PCS
Load Power	120W	120W	
Solar Power	28W	50W	100W
Maintenance-free Lead-acid Batteries	12V/20AH x 2PCS	12V/20AH x 2PCS	12V 100AH
Inverter	200W	200W	
Controller	12V 5A	12V 5A	12V 20A
Work time and Work Way	4h/day	4h/day	9h/day
Usage	Fieldwork, military, provide AC and DC power	Fieldwork, military, provide AC and DC power	Fieldwork, military, camping, remote areas, provide AC and DC power
Character	Output voltage: 4.5V, 6V, 9V, 12V, 200V, solar power and network charge	Output voltage: 4.5V, 6V, 9V, 12V, 200V, solar power and network charge	Output voltage: 200V 50Hz
Size (L x W x H)	19.69 x 12.6 x 9.45 in (500 x 320 x 240 mm)	25.91 x 21.77 x 9.06 in (658 x 553 x 230 mm)	28.5 x 15.4 x 20.2 in (724 x 391 x 513 mm)
Packing (L x W x H)	19.8 x 12.72 x 10.28 in (503 x 323 x 261 mm)	26.06 x 21.93 x 9.21 in (662 x 557 x 234 mm)	



50W Power Generator



100W Power Generator

Patriot Solar Group is dedicated to providing the highest quality units using only the best materials for solar and lighting products for home and commercial use that support renewable energy. Our products are environmentally safe, efficient, and affordable while offering the peace of mind of high durability able to withstand the ravages of wind, ice, and water. Our manufacturing processes are based on automotive quality standards to ensure high quality and reliability the first time.

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