

# **Top 10 Reasons Why You need a portable Solar Generator**



PREPARED BY  
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## About Us

We are an indigenous engineering organization incorporated in 1993; one of our major lines of business is in the design, supply and installation of power solution systems such as inverter, Hybrid solar or Standalone solar power solution systems as alternative source for constant supply.

We deploy Solar Power Solution that is designed to convert solar energy during the day time to electrical energy (DC) and later covert the store DC energy to AC energy and supply power to appliance both night and day. It can be hybrid or standalone.

We also offer training and workshop on inverter power system, solar power system for different categories of individual and organizations.

Solar generator is a portable power station that uses solar panels, instead of fossil fuels, to provide electricity. It captures the sun's energy, and then stores that energy in a battery to be used later.

## **1. Low Maintenance**

The average lifespan of a solar panel is 25–35 years and requires very little maintenance every 5–10 years. Solar generators have no moving parts which means the chances of its parts breaking is low.

This greatly reduces the amount of maintenance required for a solar generator as compared to a fuel generator.

You never need to replace spark plugs, air filters, or fuel switches with a solar generator.

## **2. Charge Without Electricity**

Using the energy from the sun is free, so solar panels allow you to use a free and unlimited source of energy.

You cannot run out of solar energy as long as you are in a spot where the sun shines.

### **3. No Noise**

Another great thing about solar generators is that they are quiet.

Solar generators do not have any moving parts. This makes them run at near silent noise levels.

The last thing you want is to hear the incessant rattle of a generator in the background while trying to work or relax.

### **4. No Pollution**

The carbon monoxide released by a conventional fossil fuel-powered generator is a serious health hazard which is why they can only be used outdoors and at a safe distance from any buildings. Solar power generators do not release any fumes making them the safest option, even safe enough for indoor use.

Solar generators do not burn fuel to generate energy. Because of this, they do not release any pollutants during operation. They are a clean source of energy generation.

## **5. No Petrol/Diesel**

If you use a solar generator with solar panels, there is no need to purchase fuel like you would with a backup diesel generator.

Solar generators do not need fuel to work, the sun is their source of power, hence there is no need for fuel to run them.

## **6. Clean Energy**

Solar generators rely entirely on clean, renewable energy.

This means that not only do you not have to worry about the cost of fossil fuels to power your generator, and you don't have to worry about the environmental impact of using gasoline either.

Considering the fact that the entire world is going green you are in good company.

## **7. Cost–Efficient**

Another cost related advantage is that solar energy is not subject to volatile price fluctuations like gasoline and diesel are.

Once you have the solar power equipment, your ‘fuel’ costs remain steady. Because the energy comes from the sun, and not tradition costly fuel, the cost to recharge can be completely free.

## **8. Portable Power**

With no A/C outlets necessary, you can have the power you need wherever you need it.

Whether you’re out in the yard, on the beach, or in the mountains, you can always have reliable power.

You can pick it up and head to your home town knowing that you have portable power along with you.

## **9. Multiple Power Sources**

Solar generators are all-in-one portable power stations meaning that they can also be charged by power sources other than solar power.

Besides solar power, the basic power sources are regular AC electricity from a wall outlet

## **10. Offsets Energy Consumption**

A solar generator can be used at any time to offset your energy consumption at home or in the office. Solar generator serves as a great back-up when/where necessary.

Whether you are experiencing rolling blackouts, or a power-line is down in your area, a solar generator can easily be used as your power source until the power grid is back up and running.



## Conclusion

A solar generator is perfect for you if you regularly experience: Power outage and need a more steady and mobile power source that is cost effective.

You can visit our store [www.solarworldnigeria.org/shop](http://www.solarworldnigeria.org/shop) to make some more inquiries about any of our Alternative Energy Resources.