



# SOLAR STIK™

## A GASOLINE GENERATOR VERSUS THE SOLAR STIK™

Can a solar generator really compete with a traditional gasoline generator? The simple answer is "yes", but there is a learning curve that should be understood to effectively accomplish this. The fact is, a 100 watt solar power system can completely replace a small gasoline generator.

For most people, operating a gasoline driven generator is simply a matter of convenience. One can simply turn it on, plug in their appliances, and refuel when necessary. In many applications, generators are effective as "temporary" power production, but are not suitable for long term power requirements. Also, gasoline generators usually run appliances that consume only a fraction of the generator's rated power output, thus consuming unnecessary fuel when operating because they only run at a single speed.

The actual cost of operating a gasoline generator is largely dependent on the generator's "run-time". Generator Manufacturers only guarantee their gasoline generators for a short period of life (1-2 years), due to the varying amount of "run-time" they may be subjected to. Other operating challenges include fuel transport and storage, required interval maintenance and replacement of parts that wear out. The overall operating cost of a gasoline generator reaches far beyond the initial purchase price.

Additionally, the logistics of supporting a gasoline generator prevents it from being a good power source in a remote location, after a disaster, or for longer term applications.

### **Instant Power versus Stored Power**

A solar generator like the Solar Stik™ can produce enough power in a day to support the constant power draw of several small appliances operating over a 24-hour period. Unlike gasoline generators, which must be running to provide power, the Solar Stik™ generates power during the entire day and stores power in batteries, and the batteries provide that power to an appliance as needed, day or night. The Solar Stik™ operates with any 12 volt battery bank, or can operate as a stand-alone power source when the Solar Stik™ Power Pak is employed. Also, the Solar Stik™ is completely silent and emits no harmful fumes, which enhances its appeal as a power generator.

Compared to a gasoline generator, the Solar Stik™ has \$0.00 operating cost, requires no maintenance, and has a manufacturer guarantee of 25 years of power output. It is also extremely light, portable, and rugged. Setup of the Solar Stik™ system is "plug & play" and can be done by one person in less than five minutes. It can be erected for short or long term operation without concern for weather or environmental impact.

For more information including a comprehensive compilation of solar education materials, please visit the website at [www.solarstik.com](http://www.solarstik.com).