



**SOLAR STIK™**

**THE NEW GENERATOR™**

**WHY THE SOLAR STIK™ SYSTEM BRIDGES THE GAP BETWEEN  
TRADITIONAL SOLAR POWER AND  
FUEL-DRIVEN PORTABLE POWER GENERATORS**

“Energy Independence” requires dependable energy sources, and today, there are many “alternative energy” options. Alternative energies include fuels ranging from fuel cell technologies to bio-fuels, including additives like ethanol in our traditional petroleum-based fuel supply.

Some argue that using alternative fuels could lessen our “dependence on oil” as well as protect the environment, and that the sum total of alternative technologies combined together could make us energy independent... these arguments fail to take into consideration certain markets.

**The Portable Power Market**

In the portable power generator market, using alternative fuels will have no benefit or impact. The real cost is in the logistics of supporting fuel-based power generation, and using alternative fuels does not reduce these costs. In some cases (depending on the alternative fuel technology that is employed), it may actually increase the cost.

For example, many portable power technologies such as fuel cells require re-fueling just as a traditional gas-generator does, and therefore the cost of supplying fuel to the generator is not reduced, but merely shifted from one

technology to the other. The cost of any fuel cannot be counted in mere “dollars per gallon”. The logistics of supplying the fuel, storing the fuel, and maintaining the equipment that uses the fuel all must be considered to get a clear picture of the actual cost of using a portable fuel-driven generator.

Additionally, the cost of existing alternative fuels are often much higher than petroleum-based fuel for traditional power generators, further increasing the overall cost of generating power in a mobile environment.

With current technologies available in the marketplace, it is not reasonable to expect that our energy dependence on fossil-based fuels can be completely replaced with a potpourri of alternative energy solutions. Even at today's high fuel costs, there are currently many markets where alternative energies are not able to compete with petroleum-based fuels simply based on performance.

### **Why a Solar Generator?**

There are some exceptions. A portable solar generator provides truly independent operation.

It does not have the high expenses of fuel & maintenance as well as the noise, fumes, and toxic chemicals associated with fuel-driven power generators.

At the forefront of the portable solar generator industry is the Solar Stik™ System.

The Solar Stik™ employs the latest solar technology relying only on daylight for fuel, and the Solar Stik™ Breeze harnesses both solar and wind energy to generate electricity, both with zero costs to operate.

For many applications where portable power generators are necessary, the Solar Stik™ System can either replace or lessen the absolute dependence on “fuels”, whether it is bio-fuel, gasoline, or fuel cells. It provides a viable portable power source and alleviates the high costs associated with supplying fuel in markets where portable power generation is necessary.

### **The Solar Stik™ System provides:**

1. Independent power supply, ideal for operation where the logistics of fuel may be prohibitive for fuel-driven generators.
2. Highly Portable & Expandable package. The system is D.O.T. approved for land, sea, & air transport. The System is easily expanded to meet larger power requirements.

3. Engineering and design to withstand any environment for up to 25 years. There is no “planned obsolescence” built into the Solar Stik™ System and it is nearly maintenance-free.

## **Summary**

Critical applications for the Solar Stik™ System include disaster relief operations, remote humanitarian missions, and military operations.

Unlike a fuel-driven generator, the Solar Stik™ System stores its power, making it available to the user “on demand”. It can operate as a “standalone” generator or even in conjunction with other power sources, further enhancing its ability to be employed in roles where fuel is limited or other sources to store power from are available.

In many cases, employing the Solar Stik™ System can also simply reduce dependence on fuel. A simple reduction in the amount of logistics required to support a fuel driven generator can have a significant impact.

The need is greater than ever for a Solar Generator System in the portable power markets. Unlike solar power of yesteryear where large immobile power arrays were the accepted norm, the Solar Stik™ implements mobile solar technology into a market where currently little exists.

The Solar Stik™ is The New Generator, and breaks down many barriers for solar power. It bridges the gap between a truly independent power source and the markets where portable power generators are most needed.

EDUCATIONAL MATERIALS AVAILABLE FOR DOWNLOAD FROM  
[WWW.SOLARSTIK.COM](http://WWW.SOLARSTIK.COM):

**SOLAR SCHOOL** – the basics of a DC electrical system

**BATTERY SCHOOL** – all about lead-acid batteries

**INVERTER SCHOOL** – all about DC to AC inverters

**A SYNOPSIS OF THE SOLAR STIK™** – how the Solar Stik™ works

**FREQUENTLY ASKED QUESTIONS** – all about the system & how it operates