



## Energy Kinetics Uses Efficient Solar Energy to Build the Most Efficient Heating Systems

Energy Kinetics partnered with one of New Jersey's premier solar photovoltaic (PV) array installers in a new approach to manufacturing the energy efficient heating solution, System 2000. All of Energy Kinetics' products will be welded utilizing clean solar energy provided by a 25kW grid tied solar array. Energy Kinetics uses a multi-crystalline type PV solar cell array for the application. This type of array has been in constant production since 1963 and has a long track record of high efficiency and ruggedness over time.



American power consumption is the highest in the world. This solar resource combines the strength of renewable *new solar* energy (sunlight) to produce heating products which provide extraordinary conservation of *old solar* resources (fossil fuels). Not everyone can afford solar electric power, but in teaming up with solar PV, Energy Kinetics dramatically lowers green house gas emissions, reduces the manufacturing carbon footprint and packages it in a way that can benefit every home or business.

Conservation of our remaining fossil energy is a very important component in using resources wisely and equally important to producing products that are designed to be reliable, affordable, and save as much energy as possible. Such innovation is critical for our country's success and for our future generations.

Beginning in 2007, under contract with the Department of Energy, Brookhaven National Laboratories performed an independent study which proved that heating system efficiency test standards are generations behind technology, which allows high efficiency ratings to be placed on low efficiency equipment. **Our philosophy of providing real high efficiency integrated heat and hot water systems shines through, with System 2000 boilers outperforming all other systems in the study - even those with higher energy guide ratings.**

Our collective future is not just in fossil fuels. Combining resources with state and federal support has allowed Energy Kinetics to turn our philosophy of renewable energy and conservation into a reality through this important solar energy project. The largest energy consumption in today's homes is for heat and hot water, and solar thermal can also provide a renewable energy source to supplement this need. **System 2000 is designed to operate at peak efficiency across very small to full loads, and is designed to be seamlessly integrated as back up heat for solar thermal systems.** By maximizing *new solar* energy contributions to heat and hot water while conserving most of the *old solar* energy embodied in oil and gas we can extend our efficient use of available fossil resources.

So, when it's time to upgrade an old heating system or choose one for a home, school, or building, ask yourself: Why just burn *old solar* in the form of fossil fuels? Why not use *new solar* in the form of an efficiently produced product to provide for your heating needs? System 2000 is a win for the consumer and the environment, and it provides maximum energy conservation!



Photovoltaic array at Energy Kinetics' state of the art 64,000 square foot manufacturing facility. Solar power is used to manufacture System 2000.

It's got to be  
**SYSTEM  
2000**

Energy Kinetics, Inc. - 51 Molasses Hill Rd.  
Lebanon, NJ 08833 - [www.energykinetics.com](http://www.energykinetics.com)