

Grundfos SQFlex Alternative Energy Systems:

The SQFlex pumping systems are reliable, low-maintenance, cost-effective, sustainable and totally environmental sound. The SQFlex pump can operate from a solar panel, wind turbine, 240-volt generator, battery, or any combination, making the Grundfos SQ solar pump the most versatile alternative energy pump on the market.



Reliability:

The SQFlex pump features in-built protection for preventing dry running, overloading and overheating. It features automatic restart when water returns to the well or when the motor temperature returns to the safety range, as well as continuous load condition and voltage monitoring.



The heart of the SQFlex is the SQ motor with either a standard centrifugal or helical rotor wet end, the combination offering excellent high head or high flow performance. The SQFlex is available in 3" diameter pumps, which allows them to be installed in 3" holes.

Versatility:

The SQFlex pump can operate from a solar panel, wind turbine, 240-volt generator, battery, or any combination, making the Grundfos SQ solar pump the most versatile and reliable alternative energy pump on the market.



Security:

The main problem encountered with solar pumping systems in remote areas is theft of the solar panels. Panels are usually stolen because they produce 12 volts, which are easily converted for use with solar powered lighting systems. The Grundfos system utilizes an amorphous silicon thin film GF50 solar module. **These panels have a 150-volt output, which are totally useless for a conventional 12 volt solar lighting systems.** Trials in South Africa have shown theft of panels has been substantially reduced when a sign was displayed stating the voltage of the panels was 150 volts which cannot be used on conventional lighting systems, and will in fact blow them up!

