

SOLAR WATER PUMPS

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Selecting solar pumps and solar panels to power them. Solar panels to power the water pumps are sold separately from the pumps. Both the pump and the amount of solar you need depend upon how much water you are trying to pump in a day (in GPD or GPM) and the vertical head the pump needs to overcome. Surface pumps can use suction to draw water vertically about 10-20 feet. However, once they have 'lifted' that relatively small amount, surface pumps can then 'push' water great distances.

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Solar water pumps are cheap to build and cheap to power. And after the initial cost, there no one else to pay. Even uncle Sam says it good for your taxes.

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Design concepts and the technical and economic feasibility of using solar energy to pump water are discussed in abstracts from worldwide literature. Topic areas cover the use of solar heat actuated Rankine cycle engines and free cylinder Stirling engines for solar powered water pumps, pumps driven by photovoltaic modules, and application of solar pumps to irrigation and electric power generation.

Solar water pumps do not require putting complicated connections to the utility grid.

This is just another way to enjoy the benefits of solar power. Gas and diesel are vastly more expensive, which in turn, causes the price of electricity to increase as well. Solar energy is becoming a hot topic with oil being a non-renewable source of energy.

Source : <http://solarpowerissues.blogspot.in/2009/10/solar-water-pumps.html>