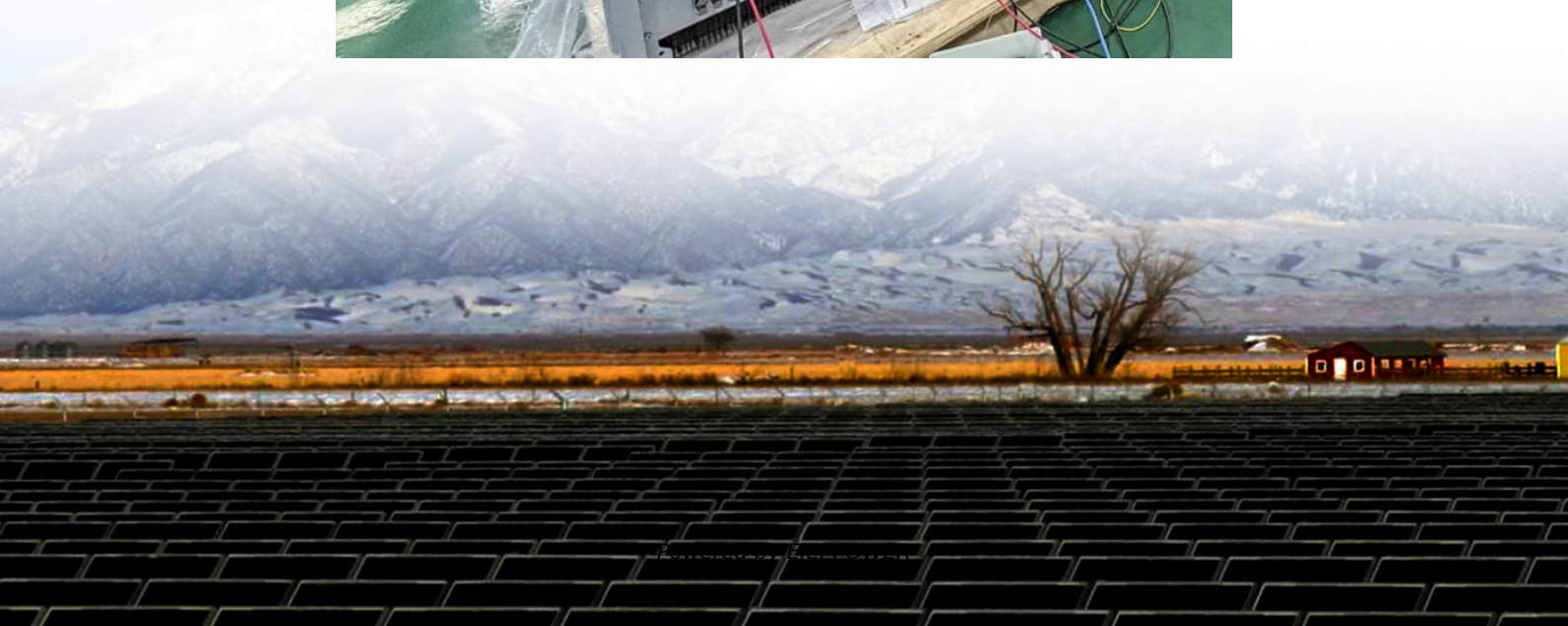


Solar and wind powered water pumps





Overview

What is a Solar Water Pump System?

UNS researchers created the Solar Water Pump System (Solar Water Pump System (Sistem Pompa Air Tenaga Surya / SPATS)) to be used as a solar radiation energy source, instead of using diesel fuel for water pumping.

What is the horsepower of a solar water pump?

Solar water pumps typically have a horsepower of 2 or less. Well installed quality PV water pumping systems can provide over 20 years of reliable and continuous service. For more information, you can design a solar water pumping system using the Energy Matters on-line system builder.

What is solar water pumping program for irrigation & drinking water?

The Ministry of New and Renewable Energy (MNRE) has introduced a five-year program, Solar Pumping Program for Irrigation and Drinking Water, in 2014-15 which provides financial support of Rs 400 crores for installing 10 lakh solar water pumping systems around the country for irrigation and drinking water needs.

What is the cost of a solar water pump?

Solar water pumps can cost as little as less than \$1,500 for the most inexpensive models, while large systems can cost over \$20,000. The cost can be reduced through Renewable Energy Certificates (RECs). Most solar water pumps rarely exceed 2 horsepower in size.



Solar and wind powered water pumps



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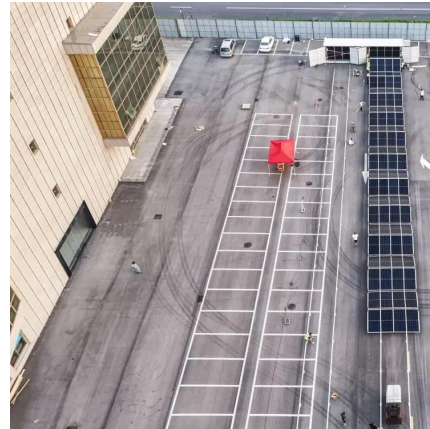
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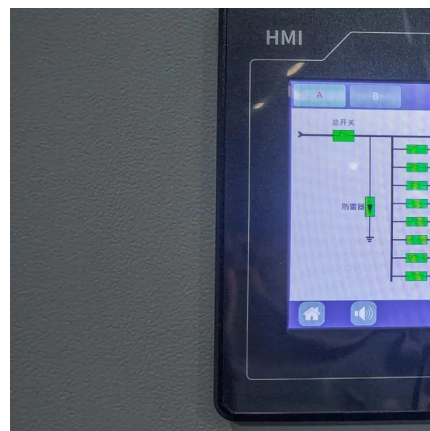
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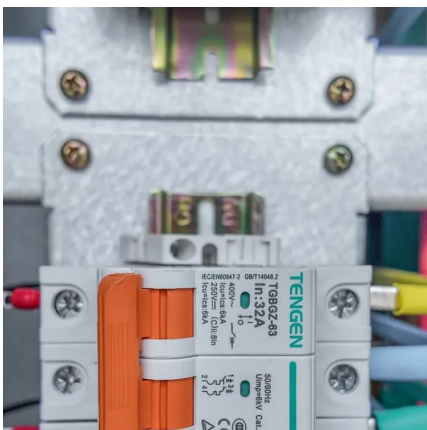


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