

# Is a solar water pump suitable for drinking water





## Overview

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Are solar water pumps effective?

Solar water pumps have been successfully implemented in various real-life applications, demonstrating their effectiveness and versatility. In agricultural settings, solar water pumps have revolutionized irrigation practices, providing a reliable and sustainable water supply for crops.

Can a solar water pumping system be used as a water supply source?

Setiawan et al. reported on a solar water pumping system as water supply source for a small village in Indonesia. The system was designed and installed to lift water from a 218.34 m head. The flow chart of the overall procedure is shown in Fig. 6.

How much water can a solar water pumping system pump?

Twenty-four PV modules were enough to drive two HP centrifugal pump to pump 140,000 L of water/day. 98% of the pumping systems were working with high performance after one year of their operation. Setiawan et al. reported on a solar water pumping system as water supply source for a small village in Indonesia.

Can a solar water pump be used in solar water heater system?

Roonprasang et al. reported the use of a solar water pump in solar water heater system. The pump was operated by steam generated by solar energy.

2.3. Pump head



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