

5 Facts About Solar Water Pumps

Water pumps fueled by the sun are broadening access, accelerating agricultural gains, and uplifting communities.

1. IRRIGATION

Solar water pumps (SWP) help farmers increase their crop yield and income by providing a **reliable, cost-effective, and environmentally friendly water source** for irrigation.

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2. WATER

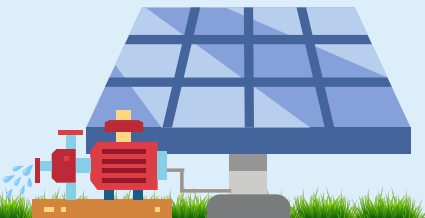
Beyond agriculture, SWPs provide **greater access to sanitary drinking and cooking water**, which may lead to a decline in water-related diseases and an overall enhancement in health and wellness.

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3. TIME

SWPs help to **reduce the time and effort required to collect water**, especially for women and children, freeing up time for other activities such as education and income-generating activities.



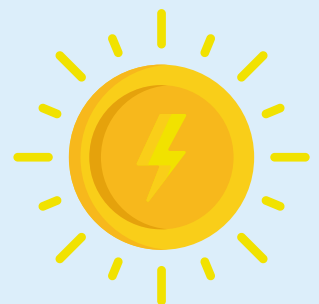
4. MARKET GROWTH

A burgeoning global SWP market has emerged, driven by the **growing need for eco-friendly and reliable water pumping solutions** in developing countries. With a 2020 market size of USD 2.38 billion, experts predict it will soar to USD 5.64 billion by 2028.

5. ENERGY ACCESS

SWPs can **increase energy access and reduce energy poverty** by providing a reliable and less volatile energy source than traditional fossil fuels.

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Sources

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- <https://www.worldbank.org/en/topic/water/brief/solar-pumping>
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