



Small-scale solar cell cabinets for agricultural irrigation in Asia-Pacific region

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Solar-powered irrigation is gaining momentum across South Asia and East Africa to meet rising energy demands, sustainable use of groundwater resources, and reduce rural emissions.

To design, construct and evaluate a solar-powered generating apparatus for irrigation system of small scale farming and high value crops under Cagayan Valley conditions using submersible pump to ...

KEY MESSAGES SPIS can reduce GHG emission from irrigated agriculture and enable low-emission irrigation development. SPIS can provide a reliable source of energy in remote areas, contribute to ...

In order to pilot a small-scale implementation of the solar pumping system in Liberia, the Consultant undertook a fast-track tendering process, notifying a shortlist of known international suppliers and ...

The pilot focused on soil and water conservation and in-situ water harvesting (WH) techniques, integrated soil fertility management and solar water pumping from the tank, for small-scale localized ...

Discover affordable solar irrigation systems transforming small-scale farming with 40-60% cost savings, improved yields, and climate resilience--no electricity or fuel required.

Case studies from different countries show how solar-powered systems have helped small-scale farms by making it easier to get water, which is important for food growth and long-term viability.

Solar irrigation presents a promising solution to promote sustainable agriculture, particularly in regions facing water and energy scarcity. This case study investigates the benefits and...

Small-scale farmers in Kajiado are increasingly fighting climate change using today's agricultural innovations.



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In particular, the solar-powered irrigation system is slowly gaining popularity ...

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