

# Solar Drip Irrigation System in the Philippines



## Overview

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Does the Philippines have a solar-powered irrigation system?

The Philippine government, through the Department of Agriculture and National Irrigation Administration (NIA), has promoted solar irrigation since 2018. By the end of 2023, 82 solar-powered pump projects were completed, benefiting over 1,000 farmers and irrigating 866 hectares nationwide.

Will the Philippines' biggest solar-powered pump irrigation project boost agricultural production?

MANILA, Philippines — President Marcos inaugurated yesterday the country's biggest solar-powered pump irrigation project that is seen to boost agricultural production. The P65.7-million Cabaruan Solar-Powered Pump Irrigation Project (SPIP) in Quirino, Isabela is expected to irrigate 350 hectares of rice field, benefitting 237 farmers.

Is solar irrigation a viable solution to sustainable agriculture?

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 challenges of adopting solar-powered irrigation systems (SPIS) among small-scale farmers in the Philippines.

What is a smart solar pump irrigation system (Spip)?

In response to these challenges, Technimex Water Management / Dutch Flow Technology, a Dutch company, recently introduced the Smart Solar Pump Irrigation System (SPIP) in the Philippines. The system combines solar energy with digital technologies such as sensors and intelligent software.

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NIA Central Office - The National Irrigation Administration (NIA), headed by Acting Administrator Engr. Eddie G. Guillen, intensifies its continuous pursuit on the benefits of ...

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The authorities in the Philippines have inaugurated the country's largest solar-powered irrigation system, featuring more than 1,000 solar panels and two submersible ...

The irrigation system includes 24 solar panel units that generate electricity to pump water from a nearby river, which will then ...

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Solar-powered irrigation offers a promising alternative by using photovoltaic (PV) technology to convert sunlight into electricity for water pumps. Case studies worldwide ...

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Abstract Solar irrigation presents a promising solution to promote sustainable

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