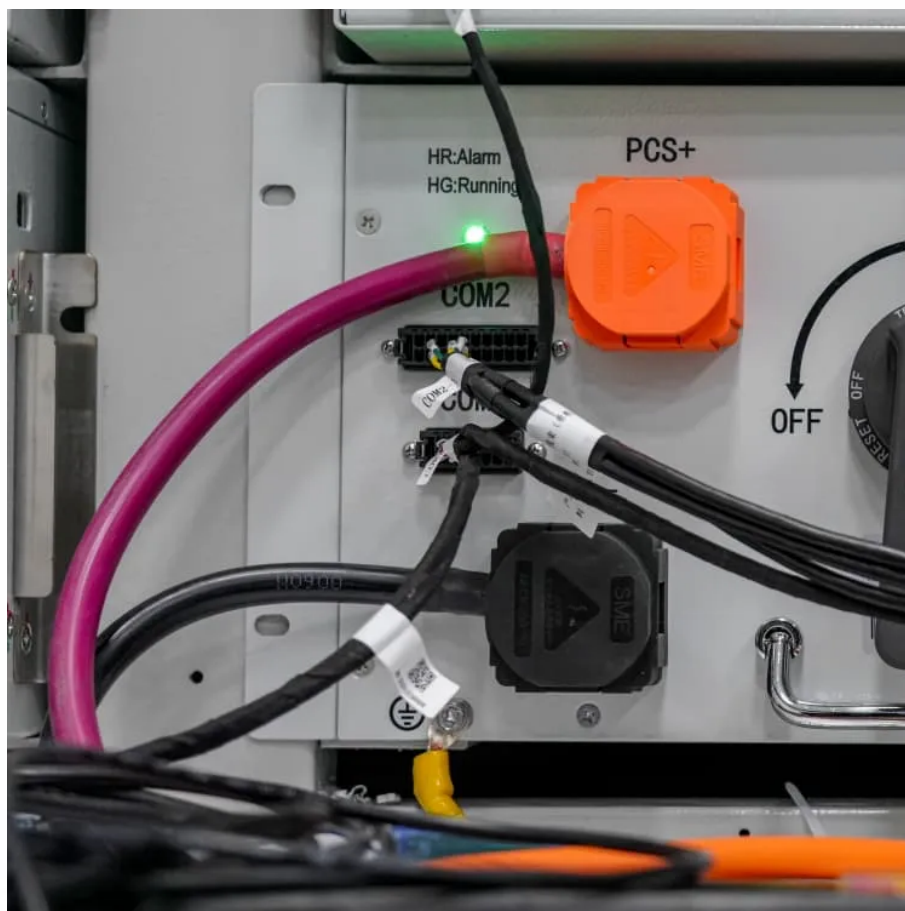


Vietnam Solar Irrigation System





Overview

is one of the largest rice exporter since the late 1980s and early 1990s. Previous to the reforms initiated in 1986, the country was dependent on net imports of rice. After having changed the policies and opened the market, Vietnam was finally able to earn foreign exchange within these years and hence gain financial power. The domestic economy grew rapidly. Nowadays, irrigated agriculture is by far the largest water user and although the country is devel.

Does Vietnam still have a major institutional predominance in irrigation management?

The Vietnamese government still has the major institutional predominance. Nevertheless, in the beginning of the 21st century the policy of irrigation management transfer led to the establishment of water user associations (WUAs) and the development of participatory irrigation management (PIM).

How much has Vietnam invested in irrigation infrastructure?

Due to the shift of agriculture from self-supporting production to highly intensified cropland systems there has been a total investment of the Vietnamese Government of ~125 trillion VND in irrigation infrastructure during the last four decades.

What is the capacity of water reservoirs for irrigation in Vietnam?

Water reservoirs for irrigation in general have a capacity <10 million m³. Groundwater resources include yielding aquifers mainly located in the North and South of Vietnam. However, ground water is not yet well exploited. The following figure shows how the uneven distribution of water leads to water shortages both regionally and seasonally.

What are the regulations for irrigation in Vietnam?

Especially for irrigation, there is the ordinance for the Exploitation and Protection of Irrigation Works and there are different secondary regulations concerning water use and the protection of water resources. Besides, Vietnam has approved of and ratified different international conventions.



Why does Vietnam have a poor irrigation system?

The reason is the uneven distribution of rainwater in space and in time. Irrigation management is mainly dominated by the state whereas there have been certain reforms leading to change during the last years. Awareness rising concerning environmental issues is starting to reach the people in Vietnam as well.

How much land does Vietnam need to build a solar power plant?

Most farmers in Vietnam have less than 1 ha (or 2.4 acres) of land, meaning that solar developers need to negotiate with multiple local farmers to build large-scale power plants.



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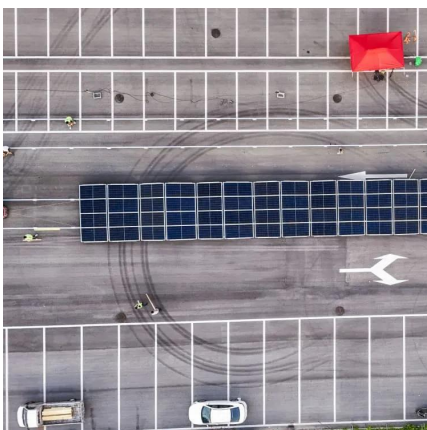
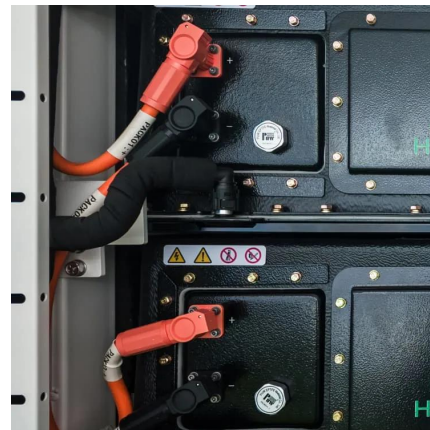


[Increase profits, reduce emissions for farmers with solar irrigation](#)

Along with the launch, the startup also announced a partnership with Stride, a clean technology startup in Vietnam, to bring solar-powered irrigation solutions combined with ...

[Enhancing the Efficiency of Irrigation Infrastructure Systems ...](#)

Drip irrigation, sprinkler irrigation in Dak Lak, irrigation for sugarcane in Quang Ngai, Binh Duong, flower and tomato irrigation in Son La, and medicinal plant irrigation in Phu Tho have been ...



Irrigation in Vietnam

OverviewHistory of the irrigation sectorEnvironmental aspectsLegal and institutional frameworkEconomic aspectsPossible effects of climate change on irrigationLessons learned from Vietnam's irrigation model

Vietnam is one of the largest rice exporter since the late 1980s and early 1990s. Previous to the Doi Moi reforms initiated in 1986, the country was dependent on net imports of rice. After having changed the policies and opened the market, Vietnam was finally able to earn foreign exchange within these years and hence gain financial power. The domestic economy grew rapidly. Nowadays, irrigated agriculture is by far the largest water user and although the country is devel...



[Tay Ninh farmers use solar energy combined with drip irrigation ...](#)

Thanks to the dual benefits of installing solar panels combined with a drip irrigation system, during the last dry season, when many cassava gardens around him were suffering ...



[Top 5 Irrigation System Suppliers in Vietnam \(2025\) . ensun](#)

Ultimately, thorough research into these considerations can help navigate the complexities of the irrigation system sector in Vietnam, positioning stakeholders for success in a dynamic market.

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