SolarInnovate Energy Solutions

Armenia Solar Drip Irrigation System Recommendation

Overview

What are the eligibility criteria for solar irrigation?

Consider the following eligibility criteria: (1) reserving a share of pumps for low-income farmers, (2) relaxing land-ownership rules so tenant and women farmers can benefit, and (3) requiring solar pumps to be paired with eficient irrigation practices, such as micro-irrigation technologies.

Can solar pump subsidies help farmers irrigate?

Link solar pump subsidies to eficient irrigation: In highly water-stressed states, policy-makers can consider requiring farmers to irrigate eficiently in order to qualify for solar pump subsidies. This can include drip or sprinkler systems and the use of a water storage mechanism.

Why should Armenia invest in climate mitigation and adaptation?

Climate mitigation and adaptation are essential for Armenia's long-term economic resilience, energy security, and environmental sustainability. Strategic investments in these areas will foster green growth, increase energy independence, and drive innovation across sectors, ensuring a cleaner, more productive, and sustainable future.

Can a state combine solar irrigation with cadwm?

In districts with accessible surface water resources, states can combine solar irrigation with the Command Area Development and Water Management programme (CADWM), implemented under the Har Khet Ko Pani component of the PMKSY scheme.

Can solar-powered irrigation save farmers money?

One of the main barriers to the uptake of solar-powered irrigation is that many farmers cannot aford the high upfront capital cost of a solar pump, even if it could save them money in the medium term.

How can a state create a solar irrigation system?

States can create these structures by converging solar irrigation with the Atal Bhujal Yojana scheme, whose primary aim is to recharge groundwater and create suficient water storage for agricultural purposes.

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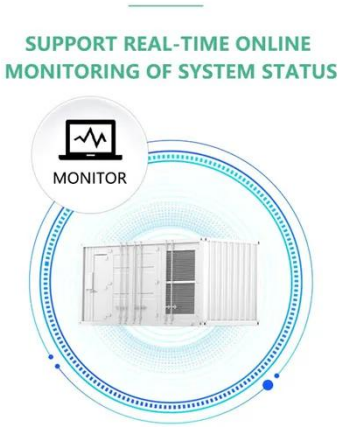

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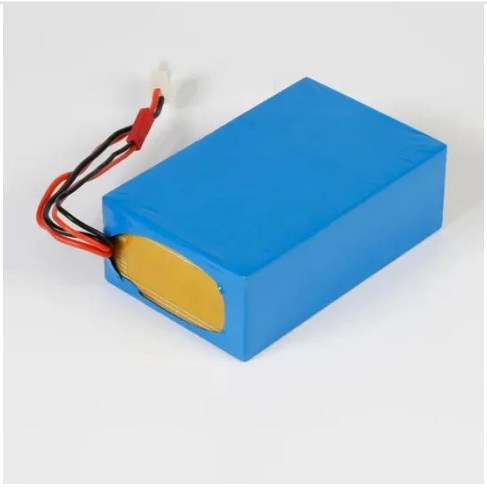

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