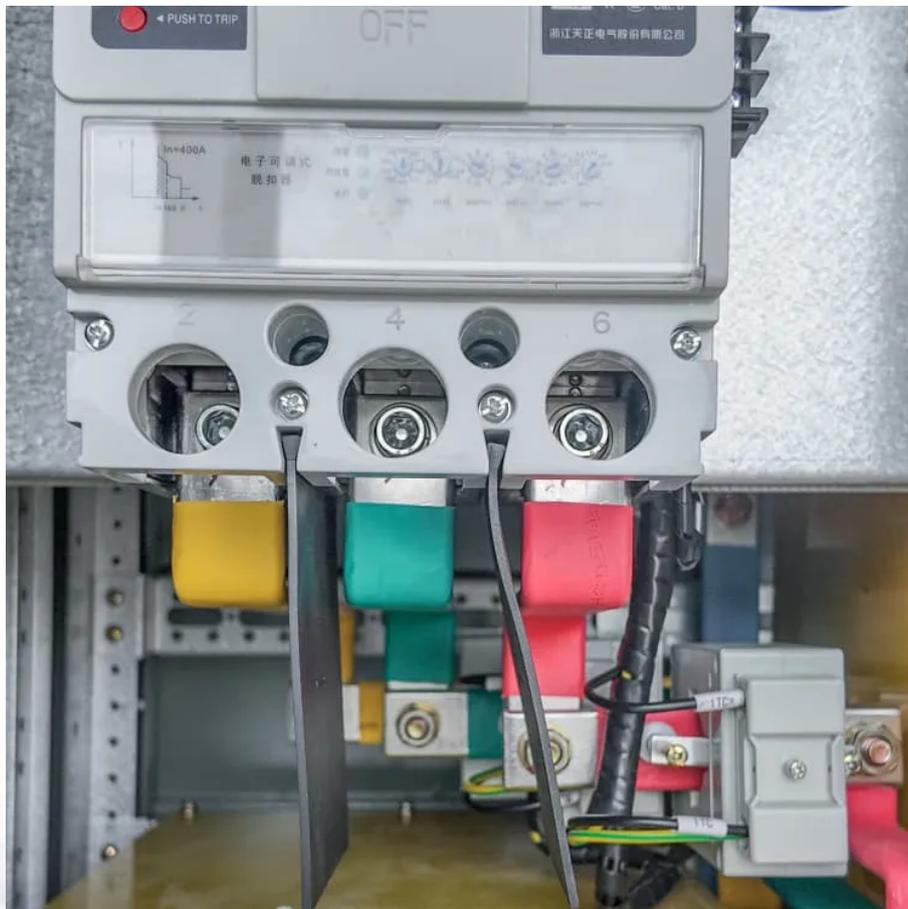


250kW Yerevan photovoltaic container for agricultural irrigation





Overview

Affected by the shortage of water resources and land degradation, the sustainable development of agriculture in more and more arid areas will face serious obstacles. The combinations of agricultur.

Is solar PV water pumping a viable option for irrigation in India?

It is estimated that India's potential for Solar PV water pumping for irrigation to is 9 to 70 million solar PV pump sets, i.e. at least 255 billion ltr/year of diesel savings (HWWI 2005). Still, solar PV water pumping systems remain a rather unknown technical option, especially in the agricultural sector.

Can solar-powered irrigation be used in agriculture?

In the agricultural sector, solar-powered irrigation can be particularly successful to overcome the frequently occurring energy shortages causing disruption of supply needed for lifting and distributing irrigation water. Challenges, however, remain in the monitoring and governance of abstraction through water pumping systems.

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Are solar powered irrigation systems a viable alternative energy source?

Solar powered irrigation systems (SPIS) provide reliable and affordable energy, potentially reducing energy costs for irrigation. Particularly in rural areas, where cost of diesel fuel is high or where reliable access to the electricity grid is lacking, they can provide a relatively flexible and climate-friendly alternative energy source.



250kW Yerevan photovoltaic container for agricultural irrigation



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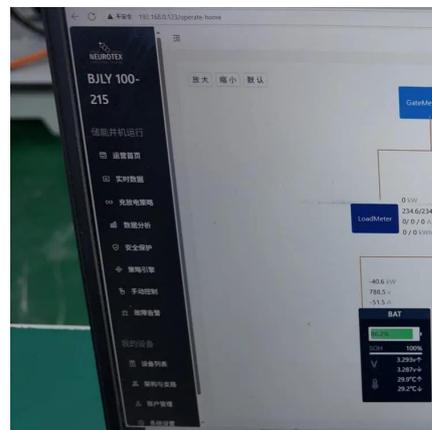
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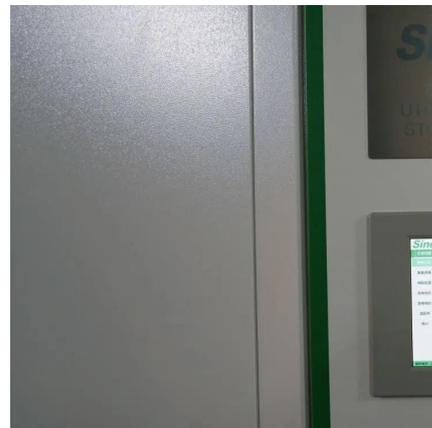


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