

# **Saint Lucia Solar Pump Irrigation System**





## Overview

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What is a solar-powered pumping irrigation system?

A solar-powered pumping irrigation system utilizes solar photovoltaic (PV) technology to convert solar energy into electrical power, which drives pumps for water lifting and irrigation. This system does not rely on fossil fuels and avoids environmental pollution.

Are solar water pumps a sustainable solution for irrigation?

Solar water pumps for irrigation provide a sustainable and efficient solution for farmers. As energy costs rise and environmental regulations become stricter, adopting solar-powered systems not only reduces operational expenses but also helps contribute to a more sustainable future.

What is solar-powered micro irrigation system?

**Solar-Powered Micro Irrigation System** Solar-powered micro-irrigation systems help to irrigate the plant roots directly with the accurate amount of water. It helps to prevent water waste in the irrigation process and is useful for mountainous regions where water is scarce.

What is a solar-powered irrigation system (Spis)?

In a solar-powered irrigation systems (SPIS), electricity is generated by solar photovoltaic (PV) panels and used to operate pumps for the abstraction, lifting and/or distribution of irrigation water. SPIS can be applied in a wide range of scales, from individual or community vegetable gardens to large irrigation schemes.



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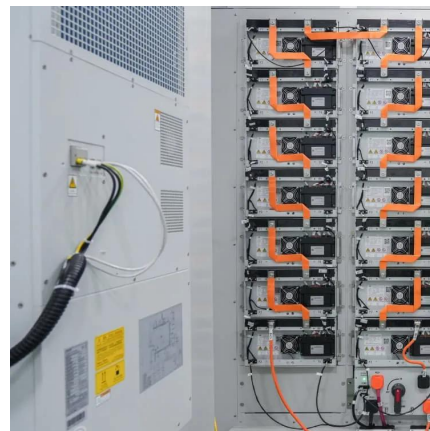
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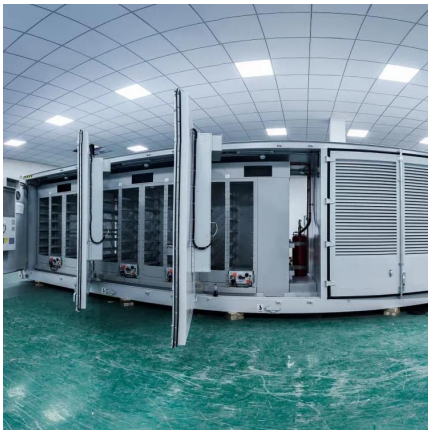
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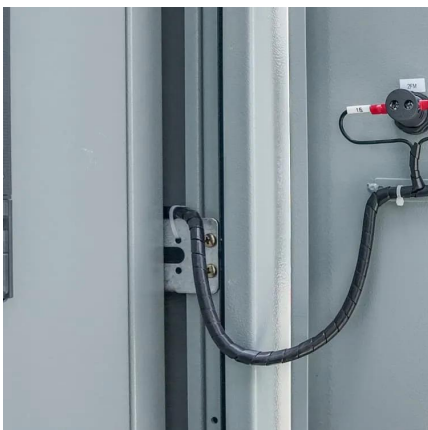
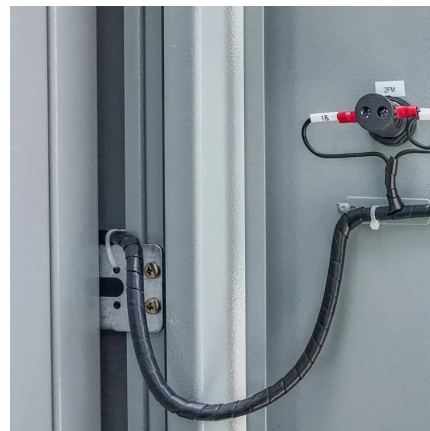


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