

SolarInnovate Energy Solutions

Ouagadougou solar irrigation system



Overview

Can small-scale private irrigation help the Sahel region?

In the Sahel region, small-scale private irrigation is seen as a way of helping the most vulnerable people improve their incomes. This is what the EU IRRINN project set out to do in Burkina Faso. Some 40 market gardeners now benefit from solar-powered pumps, thanks to an innovative funding mechanism.

What irrigation techniques are used in Senegal?

Firstly, IRRINN tested a range of small-scale private irrigation techniques such as boreholes with submerged or surface pumps powered by solar panels or generators, micro-drip or drip systems, small concrete tanks (a technique used in Senegal) or large-diameter wells. Of those techniques, boreholes with submerged solar pumps proved most popular.

What is IRRINN doing around Ouagadougou?

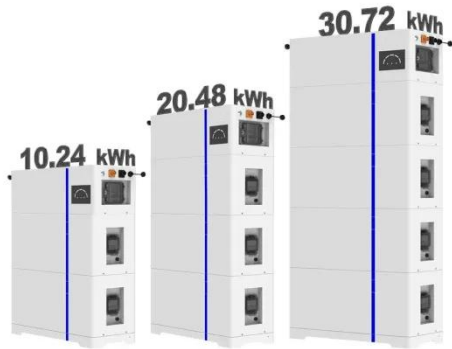
IRRINN is developing farmer-led irrigation around Ouagadougou. The project began in early 2021, and at mid-term, it has already produced encouraging results.

What is the irrinn project in Burkina Faso?

It was in this context that the IRRINN project was launched in Burkina Faso. It is coordinated by CIRAD, includes six other partners* and is funded by the European Union under its DeSIRA programme. IRRINN is developing farmer-led irrigation around Ouagadougou.

Ouagadougou solar irrigation system

ESS



Decision Support Tool for the Optimal Sizing of Solar ...

Aug 9, 2024 · The ODSIS (Optimal Design of Solar Irrigation System) tool, was organized in three calculation modules, preceded by two complements, which determine the daily crop irrigation ...

Ouagadougou's Energy Renaissance: How "Well God"

...

Jul 28, 2019 · As the sun dips below Burkina Faso's red horizon, solar panels cool while well god energy storage systems kick in. It's not perfect - sometimes the griots still sing to recalcitrant ...



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://institut3i.fr>