
Given the nascent development of the solar irrigation sector in SSA, this paper combines a review of the peer-reviewed and grey literature with key informant interviews to ...

Methods: This study used socio-economic data from 112 farm households and Boolean and Fuzzy methods to understand farmers" perceptions and identify suitable areas to ...

By transitioning from diesel-powered to solar-powered irrigation, African farmers can reduce their energy costs by up to 80%, while also minimizing their environmental footprint.

In regions such as sub-Saharan Africa, South Asia, and parts of Latin America, solar irrigation is transforming small-scale agriculture. Farmers report higher yields, lower ...

As Africa faces the threat of climate change, and as population growth increases demand for food, smallholder farmers, who form the ...

We demonstrate the critical importance of business models and investment incentives, crop prices, and PV & battery costs in shaping the economic feasibility and ...

In regions such as sub-Saharan Africa, South Asia, and parts of Latin America, solar irrigation is transforming small-scale agriculture. ...

In this study, we developed a preexisting automated solar-powered drip irrigation system that employs a siphon mechanism to ...

This article explores the top smart irrigation systems suitable for African farms, their technologies, benefits, and potential to transform the continent"s agricultural landscape.

A new study finds that standalone solar photovoltaic irrigation systems have the potential to meet more than a third of the water needs for crops in small-scale farms across ...

This article explores the top smart irrigation systems suitable for African farms, their technologies, benefits, and potential to transform ...

A new study finds that standalone solar photovoltaic irrigation systems have the potential to meet more than a third of the water needs ...

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