

NKOSITHANDILEB SOLAR

Namibia Solar Drip Irrigation System



Overview

Can a solar irrigation system be used for commercial agriculture in Namibia?

Implementing a solar irrigation system will directly address the problem of inconsistent water supply to most farms in Namibia, which results in poor crop yield and invariably, food insecurity. There is a gap in the literature that exists on the use of solar irrigation systems for commercial agriculture in Namibia.

What is solar photovoltaic irrigation?

The irrigation system uses solar photovoltaic (PV) technologies to pump water for irrigation. Crops will be put under cultivation and water will be supplied by two irrigation systems; drip irrigation and sprinkler irrigation.

How has solar energy impacted innovation in Namibia?

As the solar sector continues to grow in Namibia, innovation has also capitalised on this growth. Mungongi Agricultural Project, located just 500 metres from the Kavango River, in Musese village, Kavango West region, is one of the first few agriculture projects in Namibia to explore innovation with solar energy irrigation.

What is a solar irrigation system?

Preliminary work was completed on five-hectares of Farm Lynkloof, Namibia in preparation to install a solar irrigation system. The irrigation system uses solar photovoltaic (PV) technologies to pump water for irrigation.

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This report evaluates the recognized and demonstrated impact of CSA practices on yields. It also examines the productivity of key agricultural crop value chains and showcases ...

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Mobile solar-powered irrigation systems on wheels can foster the productive use of

sustainable energies, as an agriculture project in Namibia shows.

Farmers in the northern regions of Namibia are now using a combination of nuclear techniques and water-saving irrigation technology to water their fields. This is known as small ...

Solar-powered irrigation pumps, for instance, have become a game-changer for smallholder and commercial farmers alike. By making use of abundant solar resources, these ...

BASIC INFORMATION ON COMPANY AND BUSINESS MODEL Established engineering firm specializing in renewable energy solutions, irrigation systems, and electrification.

The irrigation specialists in Namibia. We offer turnkey projects, from design to quotation to installation. Everything you need for irrigation - water pumps, center pivots, impact sprinklers ...

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This study focuses mainly on the Okavango region, where some significant crop irrigation incentive projects are located. Small-scale irrigation farming systems in the area ...

Solar-powered irrigation pumps, for instance, have become a game-changer for smallholder and commercial farmers alike. By making ...

They received small-scale, solar-powered drip irrigation equipment capable of filling a 10,000-litre water tank within an hour. Gaeseb explained that his production has quadrupled ...

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