

MoneyMaker Solar pumps: Mechanized irrigation pumps

Low-cost and fast irrigation technologies for smallholder farmers.

The MoneyMaker Solar pump, weighing 2kg and complemented by a 60W solar panel, operates as a compact submersible pressure pump. This solar-powered solution offers a lightweight and efficient option for small-scale irrigation, reducing reliance on manual methods and traditional power sources.

This technology is **pre-validated**. Scaling readiness: idea maturity 8/9; level of use 7/9

Gender assessment

Climate impact

Problem

- Small-scale farmers in sub-Saharan Africa face challenges due to water scarcity.
- Labor-intensive irrigation methods such as bucket systems are inefficient and labor-intensive.
- Limited financial resources hinder smallholder farmers' adoption of modern irrigation technologies.

Solution

- MoneyMaker offer efficient and affordable solutions to address water scarcity.
- Replaces manual and labor-intensive irrigation techniques with more efficient and sustainable options.
- Provides affordable irrigation options like the Starter Pump, facilitating the transition from traditional methods to more productive practices for smallholder farmers.

Key points to design your project

The MoneyMaker Solar pump offers an efficient solution for watering crops, reducing labor and expenses compared to manual methods. To integrate this technology:

- Raise awareness through community demonstrations.
- Provide thorough training for maintenance and operation.
- Consider costs and quantity needed,
- Collaborate with agricultural institutes and fleet managers for adoption.

Trademark

KickStart International Inc.
Alan Spybey

Commodities
horticultural crops, Vegetable crop

Sustainable Development Goals

Categories
Production, Equipment, Land preparation

Tested/adopted in

■ Tested & adopted
■ Adopted
■ Tested

Where it can be used

This technology can be used in the colored agro-ecological zones.

Target groups
Farmers, Manufactures



MoneyMaker Solar pumps
<https://e-catalogs.taatafrica.org/gov/technologies/moneymaker-solar-pumps-mechanized-irrigation-pumps>
 Last updated on 22 May 2024, printed on 2 October 2024

Enquiries e-catalogs@taat.africa