

A new irrigation paradigm

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Solar Irrigation System

GVS is a **mobile solar irrigation system**, capable of generating all the energy required for sustainable irrigation.

GVS artificial intelligence software controls the operation in a comprehensive and autonomous way through **Big Data** with field measurement sensors.

It is designed for extensive and intensive agricultural, using pivot and drip irrigation systems.







Benefits



Sustainable: Allows efficient use of natural and economic resources.



Data-Driven Intelligent: It provides real-time monitoring (of equipment and agronomic conditions).



100% Mobile: It is easy to move, install and manipulate.



Flexible: It is complemented to irrigations systems of any brand and model.



Operation Safety: High standards of active and passive personal safety.



Integrated: A single product integrates different subsystems (data collection, irrigation management and energy self-supply).



Large Areas Management Adaptability: GVS can work as a stand alone (100% off-grid) or in a coordinated cluster of interconnected GVS (micro-grid).



Operation: Automatic-remote or Manual-local.





Efficient: It is designed to transform diesel systems with solar power. It also has the ability to interact with fixed power grids, generator sets or equivalent power generation systems.



Versatile: It works with vertical axis pumps, surface pumps or submersible electric pumps.

Autonomous: It autonomously manages the generation, storage and usage of energy, making decisions on each of these stages.



Storage: It enables to maintain irrigation without interruptions caused by cloudiness and at the same time extend the irrigation period.



Technical Support and Warranty..





SUSTAINABILITY

- SUSTAINABLE DEVELOPMENT GOALS
- A new irrigation paradigm.
- Expand the productive frontier taking care of natural resources and the environment.



About Us

GVS

GVS is Green Valley Solar, a company dedicated to the generation of innovative products in the interaction between renewable energy and agricultural production. GVS seeks sustainable development through innovation in the efficient use of resources.

