GFM FOTOVOLTAICA

The best portable solution for electricity generation

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GFM FOTOVOLTAICA

GFM Portable Minigrid

GFM minigrid is designed to address the lack of reliable electricity in rural communities.

It works as an autonomous, uninterruptible, and emission-free power generator.

This type of solutions has been broadly developed in disconnected areas to provide a stable source of electricity. The power is obtained through solar modules, and is stored in lithium batteries to guarantee power supply at night.

GFM FOTOVOLTAICA

WATENERGY®

Portable Solution Electricity & Drinking Water

GFM FOTOVOLTAICA

WatEnergy is an autonomous, uninterruptable, and portable PV-based power generator in a shipping container, which allows a quick deployment and operation in any part of the world.

The integration of an atmospheric water generator enables to have reliable electricity and safe water in a same format.

A stable electricity and drinking water generator in an innovative, portable, and easy-to-deploy hybrid solution.

This solution is easily portable and complies with the transport regulations (UN Test and criteria 38.9).
The connection / disconnection takes place in a few minutes.

WATENERGY®

Just open it, and start supplying energy and water where you need them!

GFM FOTOVOLTAICA

SUNINBOX®

¡PLUG &PLAY!

- EASY DEPLOYMENT, MOBILE AND SCALABLE
- A 100% RENEWABLE AUTONOMOUS S

GFM FOTOVOLTAICA

SUNINBOX®

The Best Portable Solution

AC AND DC COUPLING

AC-DC coupling. The system is composed by a grid-tied inverter and an inverter-charger. The first one attends directly to the loads. In case of excess energy, it is stored in the batteries by the inverter-charger. Furthermore, some solar controllers power the batteries for 24 hours operation.

HYBRID OPERATION

SuninBox could be supported by other sources of power such as diesel or wind power.

LITHIUM BATTERIES FOR ACCUMULATION

-Depth load / discharge capacity (DoD)
-Larger life cycles at 70% discharge

"PLUG AND PLAY" SOLUTION

It is a solution that integrates all the essential components to generate electricity autonomously in a certified container. This can be easily used anywhere, you just need to open the door and start generating power.

COMPLETE SOLUTION

SuninBox is integrated by a versatile PV array on portable and scalable structure. This structure is foldable and equipped with 2 wheels, so it can be stored into the container at any time.

MONITORING SYSTEM

SuninBox allows us to check the status and behaviour of every subsystem, see consumptions, apply for configuration changes, and analyse alarms.

PORTABLE

All the mechanisms are integrated in a shipping container and the connection / disconnection takes place in a few minutes. If your community needs to move, our portable solutions move with you.

GFM FOTOVOLTAICA

SUNINBOX®

GFM FOTOVOLTAICA

Environmentally friendly

Autonomous and portable

Easy deployment

Combinable with other energy sources.

These portable solutions can provide and manage the energy supply to schools, refugee camps, health centers, irrigation systems, lighting, military camps, farms, etc ...

¡PLUG &PLAY!

SuninBox Julia is a portable photovoltaic solution which integrates all the essential components to generate electricity autonomously in a certified container (Plug&Play).

Once the container is unloaded, the PV array can be installed on-site.

Just open it, and start supplying green energy where you need it!

SUNINBOX® JULIA

Portable minigrid in a container

Bespoke solution based on the client.

Contact us for customized SuninBox configurations.

The first SuninBox Julia solution has been working in Ethiopia since 2015.

GFM FOTOVOLTAICA

SUNINTRAILER®

¡PLUG &PLAY!

Portable minigrid on a trailer

GFM FOTOVOLTAICA

It is an autonomous device which acts as an uninterruptible and emission-free power generator from a solar source. SuninTrailer allows steady self-supply in grid-disconnected areas.

In fact, it could be used as an alternative to diesel generator in places where the traditional grid is unsuitable or non-existent.

SuninTrailer features all the core mechanisms for supplying electricity autonomously in a certified trailer.

It can be easily moved and used anywhere.
The connection / disconnection takes place in a few minutes.

Just open it, and start supplying green energy where you need!

SUNINTRAILER®

SuninTrailer, an innovative product by GFM

GFM FOTOVOLTAICA

SUNINTROLLEY®

¡PLUG &PLAY!

Portable minigrid in a suitcase

GFM FOTOVOLTAICA

SuninTrolley is an innovative product by GFM

It works as an autonomous, uninterruptible, and emission-free power generator for reliable electricity supply in grid-disconnected areas.

This solar system is easily portable thanks to the fact that all the mechanisms are integrated in a suitcase and the connection / disconnection takes place in seconds.

Just turn it on, and start supplying green power where you need it!

Ideal for remote place with complex access.

This solution is currently working in Dominican Republic.

SUNINTROLLEY®

GFM FOTOVOLTAICA

High quality products

All the products used by GFM are in accordance with the highest quality standards, ensuring that the equipment life is as much time as possible under extreme conditions.

Tested and Certified

Our headquarters has 350kWp installed on the roof.
This enables to verify and test our solar products in real contexts.

Furthermore, all our products are in accordance with European electric regulations and certified by SGS.

WATENERGY®

SUNINBOX®

SUNINTROLLEY®

SUNINTRAILER®

Technology transfer

Customer assistance is assured by our team during the installation. Once the installation is done, the operation is controlled by our team through the monitoring system.
In addition, if there is internet service, GFM offers continuous maintenance and guidance to local teams to maximize the power performance.

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Projects

European Commission

United Nations UNGSC

HORIZON 2020

PYME INNOVADORA

SUNINBOX

SUNINTROLLEY

SUNINTRAILER

WATENERGY

ALIENA

GEREFIC

Hibricom

GERIS

ALTERA

Perimeter Security

MINISTERIO DE CIENCIA E INNOVACIÓN

CDTI

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Commissione Europea

SEAL OF EXCELLENCE

astroHita FUNDACION

ec-innova

MINISTERIO DE ASUNTOS EXTERIORES, UNIÓN EUROPEA Y COOPERACIÓN

aecid

ONG Rescate

UCLM UNIVERSIDAD DE CASTILLA-LA MANCHA

POLITÉCNICA

UNIVERSIDAD POLITÉCNICA DE MADRID

Associations

Alliance for Rural Electrification

Shining a Light for Progress

HazEnergía

aecim empresas del metal de madrid

AEDIVE

itecam

Centro Tecnológico Industrial de Castilla - La Mancha

APPA Asociación de Empresas de Energías Renovables

anpier Asociación nacional de productores de energía fotovoltaica

Partners

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