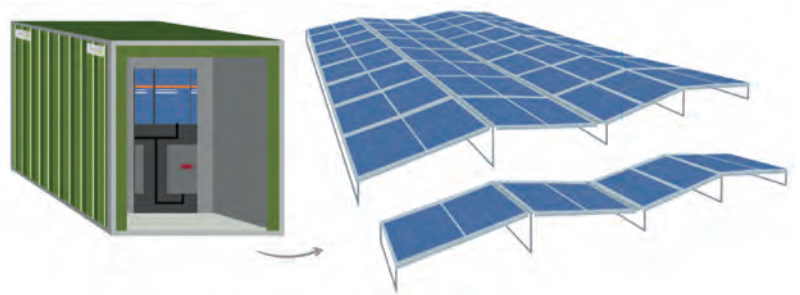


The semi-mobile solar solution for your 6 months to 10 years projects.

The Mobil-Grid® is an ISO-standard, CSC-approved maritime container that integrates a photovoltaic power plant, ready to be deployed and connected, with integrated control cell and batteries.



Mobil-Grid® Technical Specifications

Container Dimensions

Length (m)	6.06 or 12.12 (20 or 40 ft)
Width (m)	2.44
Height (m)	2.59

System Modularity

Wing of 8 panels	3 to 3.6 kWp
Ground space per wing	2 m x 8 m = 16 m ²
Height (m)	1 (max.)
Capacity	Up to 25 wings in a 20 ft container
	Up to 50 wings in a 40 ft container

Photovoltaic system

Module PV technology	Monocrystalline
Module quantity	30 to 400
Module Power	375 to 450 Wp
Total off-grid power	Up to 75 kWp in 20 ft Up to 150 kWp in 40 ft

Conversion System

Battery Inverter	Single phase or three-phase
Photovoltaic Inverter	Single phase or three-phase Up to 180 kVA

Characteristics and Mobility

Container	ISO maritime standard container (20 or 40 ft)
Discharge method	Crane, forklift or crutches
Set up time	Approximately 8 hours of construction and assembly of the system with 4 employees (high power)
Weight of the container with the system (T)	Between 6 and 16 (depending on power)
Transport	Maritime and truck
Technical room	Insulated and air-conditioned
Guarantee	2 years

Batteries system

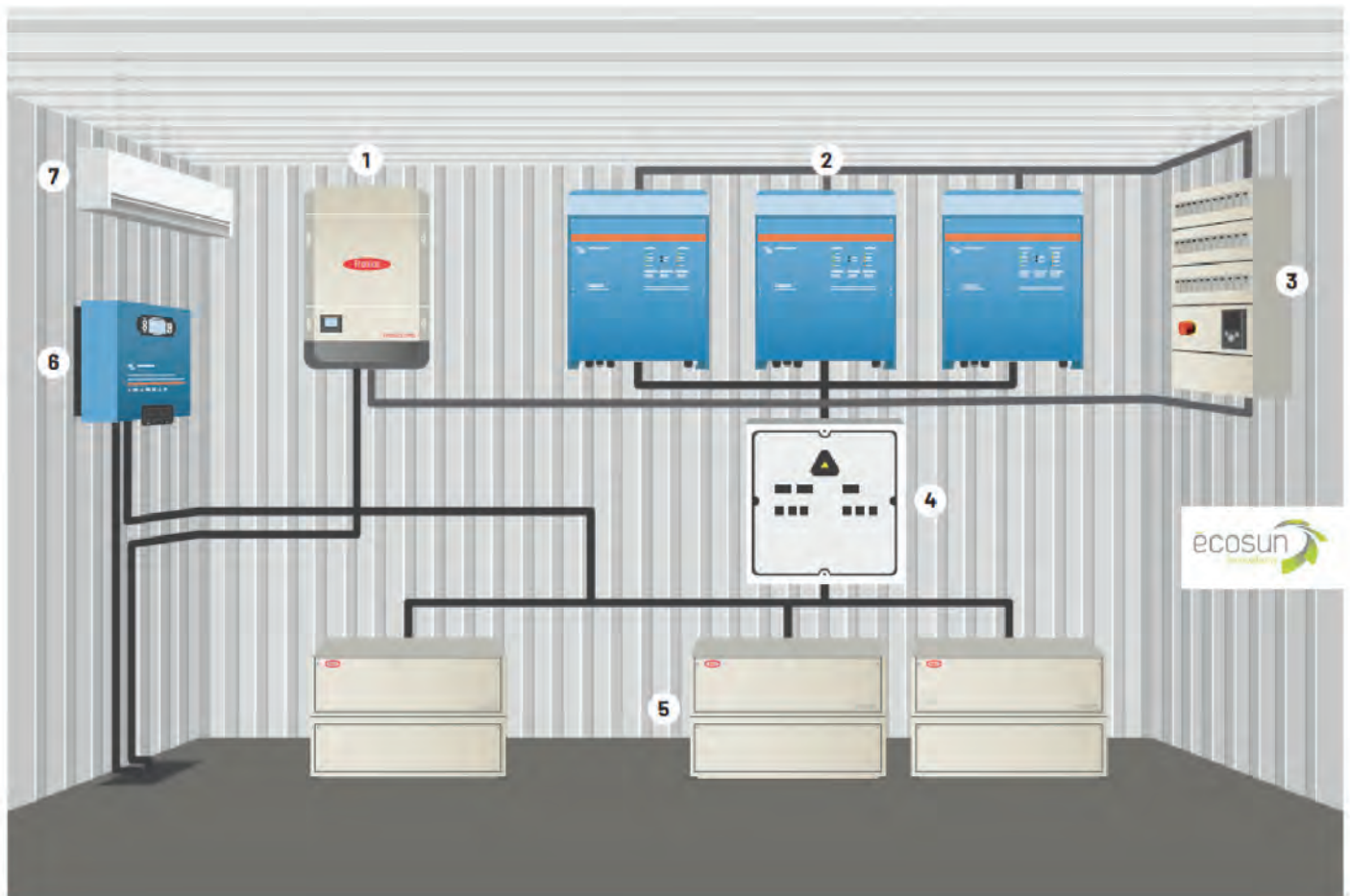
Technology	Lithium Iron Phosphate (LiFePO ₄)
Normal Capacity	Up to 520 kWh
Tension	48V

Options

Diesel Generator (for hybrid system)
Customizable exterior colour and logos

Applications

Humanitarian, eco-tourism, construction sites, agriculture, rural electrification, energy producers, mines, bases camps, and island areas.



- 1 Photovoltaic inverter: conversion of DC current to AC current
- 2 Bidirectional inverters: charging and discharging batteries
- 3 AC protection box with supervision screen
- 4 DC protection box
- 5 Batteries
- 6 MPPT regulator
- 7 Air conditioner

Mobile-Grid® Advantages

- Plug & Play semi-mobile solution, to be placed on a flat and compacted floor
 - Insulated, air-conditioned, pre-wired and pre-tested technical room
 - Pre-assembled modules per set of 8 panels (3 to 3,5 kWp/wing)
 - Rapid deployment of solar panels (between 1/2 day and 2 days depending on system size)
 - Wiring according to European standards
 - Safe and easy access for maintenance
 - CE compliant product
- 🇫🇷 Made in France

Examples of Realization: Mobil-Grid®

