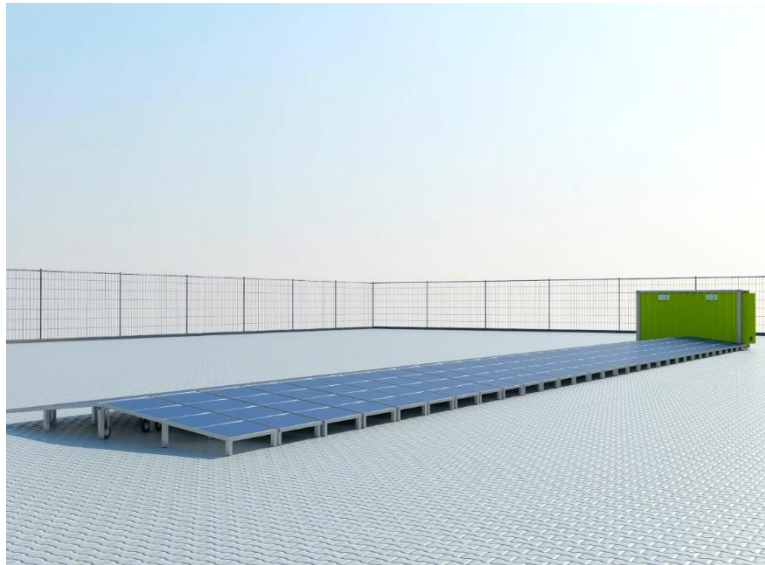


Technical Datasheet

Solar container Mobil-Grid[®] Roll-up



Semi-mobile
solar
container
from 9 to
144 kWp

The semi-mobile solar solution for your electrical needs:

- Autonomous electrification of isolated areas
- Energy production for grid connected self-consumption or off-grid
- High-performance system with low maintenance
- Repositionable solution
- Fast set up, limited civil works

Mobil-Grid® Roll-up

The semi- mobile solution for the electrification of isolated areas

The Mobil-Grid® is basically an ISO sea container, CSC certified, that integrates a photovoltaic power plant, ready to deploy and connect, with an integrated control room with inverters and batteries in case of off-grid.

Technical specifications of Mobil-Grid®:

<i>Container dimensions - technical room</i>		
Length (mm)	Width (mm)	Height (mm)
6060 or 12120	2440	2590
<i>PV array deployed</i>		
Length (mm)	Width (mm)	Height (mm)
Between 6060 - 36480	Between 6440 – 10440	1500
<i>Mechanical and transport aspects</i>		
Container	standard 20 or 40 feet ISO container	
Deployment devices	Crane, forklift or crutches	
Array Deployment Time	4 employees - requires max. 8 hours set-up or dismantling time	
Container Weight	2200 to 3900 Kgs	
Container and System Weight	Approximately 16,000 Kg for maximum power	
Forklift Pockets	Yes	
Transport	Seafreight and truck	

<i>Electrical specifications</i>		Inverters
Photovoltaic system		<ul style="list-style-type: none"> - Inverter SMA SUNNY TRIPOWER - Inverter SMA SUNNY ISLAND
Modules Technology	Crystalline - glass modules	
Number of modules	From 30 to 400	
Power of the modules	300 Wp to 360 Wp	
Total power (according to modules)	From 9 to 144 kWp	
Battery system		
Technology used	Lithium-ion 6000 cycles or Li-Fe-Po 3000 cycles or lead gel 1500 cycles	
Nominal capacity of batteries	15 kWh up to 150kWh. Integrated back-up diesel generator possible in option (battery load for exceptional needs)	

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