

Mobil-Grid® On-Grid is a containerized and mobile solar power generation solution. The system consists of a deployable solar array and photovoltaic inverters.



Example of a 20' CSC container with external connectors (optional)

Products characteristics - Container

	Container 10'	Container 20'
Packaging	11 Solar Wings®	22 to 44 Solar Wings®
Dimensions (m)	2,99 x 2,44 x 2,60	6,06 x 2,44 x 2,60
Dimensions deployed	115m ²	de 230 to 530m ²
Weight (T)	4	4,5 to 10
Deployment time	1 to 2h - 3 persons	3 to 5h - 3 persons
Total system power (kVA)	15	30 to 110
System peak power (kWp)	19,8	39,6 to 109,1
Handling of the container	Crane (bottom slinging via ISO corner) Forklift pockets	
Deployment	Forklift accessory (Option: manual handling trolley for one wing)	

Products characteristics

	Container 10'	Container 20'
PV inverter	Fronius	Fronius or Sungrow
Online data supervision	Mobile and web application	
Photovoltaic connexion	Solar extensions and MC4 connectors	
Grid connection	On terminal or on IEC 3P+N+T socket	
Three-phase output voltage	400V AC/ 50Hz	

Products characteristics - Solar Wings®

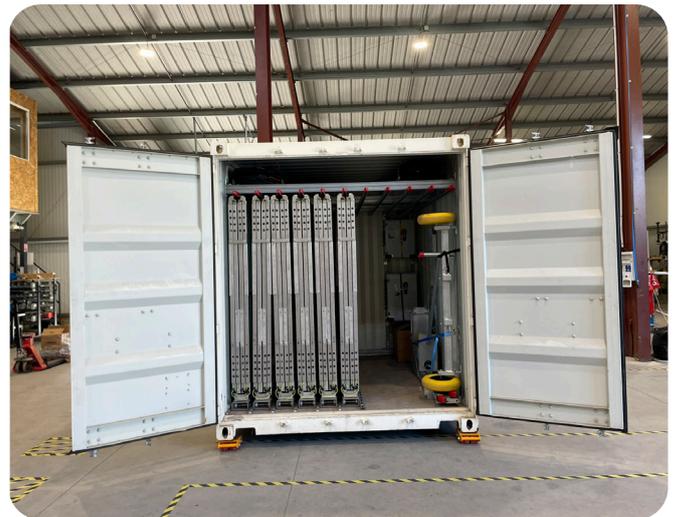
Material	Galvanized steel
Panel tilt angle	10 degrees
Orientation	2 opposite orientations
Wind resistance	24m/s (86,4km/h) without anchoring
Water drainage	Gravity-fed
Technology of PV modules	Monocrystalline
Number of panels	max 44 (container 10') 88 to 176 (container 20')
Power per panel (Wp)	450 minimum (container 10') 450 to 620 (container 20')
Deployment	Forklift accessory (Option: manual handling trolley for one wing)

The strong points of the Mobil-Grid®

- Pre-wired and tested
- Adapts to the configurations/size of the site
- Priority given to solar renewable energy
- Usable for self-consumption
- Consumption and production monitoring
- Web and mobile monitoring application



Technical room - conversion side



Racking system - PV side

The 2 types of deployment solutions for the Solar Wings[®]:



Deployment rack for one Solar Wing[®] via Forklift (standard)



Manual handling wheel trolley for one Solar Wing[®] (optional)

Options

- Manual handling trolley for a Solar Wing[®]
- Anchoring system for high winds
- Zero-feed-in meter to the grid
- Data SIM card
- Fire extinguisher
- Customized container color and logo