Technical datasheet

Container

Cool-Watt®

Cool-Watt® Solar container 9kWp with integrated cooled storage room

The mobile solar solution for your off-grid cold storage needs:

- Container solar capacity 9kWp
- Integrated refrigerated storage room from 3 to 20°C – volume approx. 15m3
- High-performance plug-and-play system
- Very fast implementation, without PV specialist and civil works
- Mobile and autonomous power generation

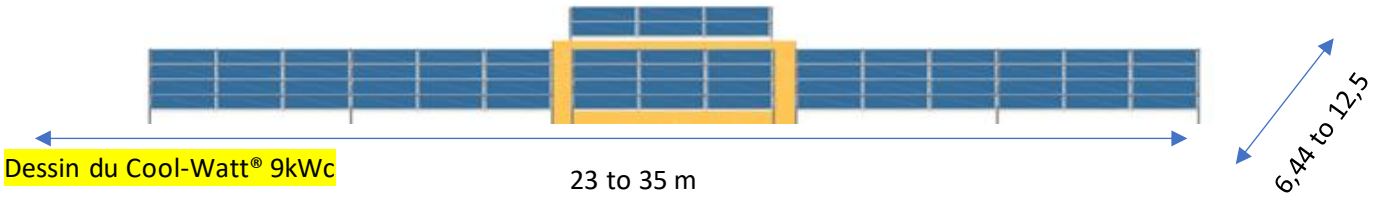
Cool-Watt®

The mobile solar solution for cool storage of goods

Cool-Watt® is a solar power plant designed as a 20 feet maritime container, pre-cabled and pre-tested so that it can be deployed in less than 1 hour without civil engineering or specialists. This container includes the conversion and batteries and is equipped with an insulated and air-conditionned room for food conservation at a very low temperature (between 3 & 20 degrees - setable)
The system works in full autonomy via solar energy.

Technical specifications of the system:

Dimensions of container (20 feet ISO)		
Length (mm)	Width (mm)	Height (mm)
6060	2440	2590
Dimensions of the deployed photovoltaic system		
Length (mm)	Width (mm)	Height (mm)
6060	6440	2800mm
Mechanical and transportation details		
Container	standard 20 feet ISO-container	
Deployment method	Crane or forklift	
Array Deployment Time	Max. 120 minutes	
Container Weight	2200 Kgs (empty)	
Container and system Weight	Approximately 3000 kgs	
Forklift access	Yes	
Transport	Truck or seafreight	



Dessin du Cool-Watt® 9kWc

Electric specifications		
Photovoltaic system		**Inverters**
PV module technology	Crystalline glass or lightweight (2kgs/m2)	Inverter -SMA SUNNY TRIPOWER + SUNNY ISLAND - or FRONIUS + VICTRON
Number of panels	30	
Power of panel	330 Wp	
Total power	10 kWp	
Batteries system:		
Technology	Lithium-ion 6000 cycles or Lithium FePo 3000 cycles or lead (acid and gel) 1500 cycles	
Battery bank nominal capacity	Between 15 and 60 kWh	
Storage room specifications:		
Insulated and air-conditioned room		
Volume:	Approx. 15m3 (7,5m2 floorsurface x2m height)	
Cooling capacity:	Between 3 and 20°c (depending on amount of goods stored)	

NB: In case of punctual non-use of the storage room, the energy generated by solar and stored via batteries can be used for other purposes.