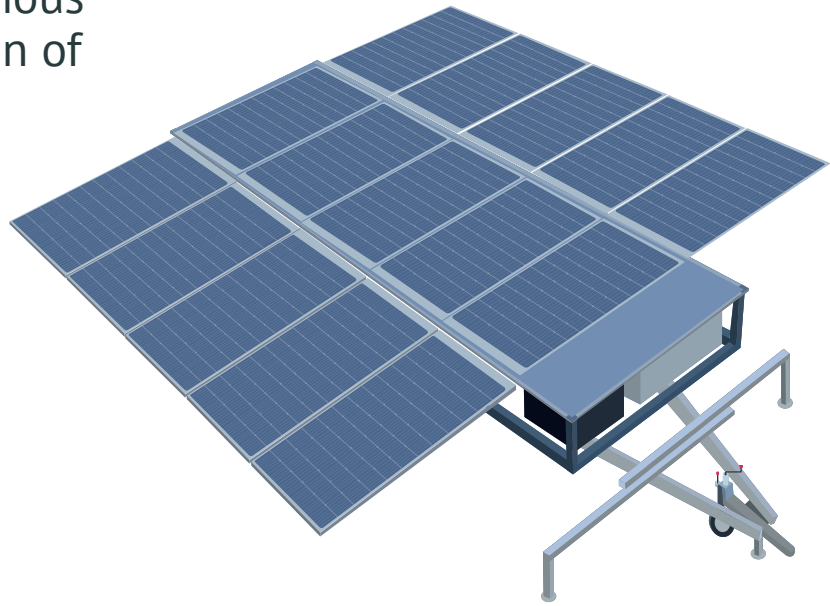


# TRAILER-WATT® 15S



The mobile and autonomous solution for electrification of remote areas (Off-grid).

Trailer 15S movable with light and utility vehicles (SUV or 4x4).  
Upper frame disconnectable and movable for transport.



## Trailer-Watt® 15S specifications

### Trailer dimensions and weight

Length (m)	6.76
Width (m)	2.19
Height (m)	1.1
Ground clearance (cm)	40
Weight (t)	1.75
Characteristics	Double axle, suspension, ball hitch head and self-braking

### Deployed photovoltaic solution

Length (m)	6.76
Width (m)	6.20
Height (m)	1.1
Maximum inclination of the trailer	15°
Equipment for inclination	Hydraulic actuator manual
Deployment time for one person	5 to 10 minutes

### Photovoltaic system

PV modules technology	Flexible, light - monocrystallin technology
Modules quantity	15 modules: 10 deployable manually and 5 permanent
Modules power	375 Wp*
Off-grid total power	5.6 kWp*

### Conversion system

Bidirectional Inverter	VICTRON Multiplus II
Power	5 kVA
Charger	Victron SMART SOLAR MPPT
Output	Single phase current (Outlet 32A and 16A)

### Batteries system

Technology	LiFePO4, high stability with 4000 cycles of charge-discharge at 90% of DOD. Mobility certified
Nominal storage capacity	11.5 or 23kWh (90% usable)
Voltage	48 V
Interfacing external energy sources	Possibility of connecting to an external diesel generator or to the grid
Operating temperatures	-20° to 45°C Charging temperatures: 0°C to 45°C

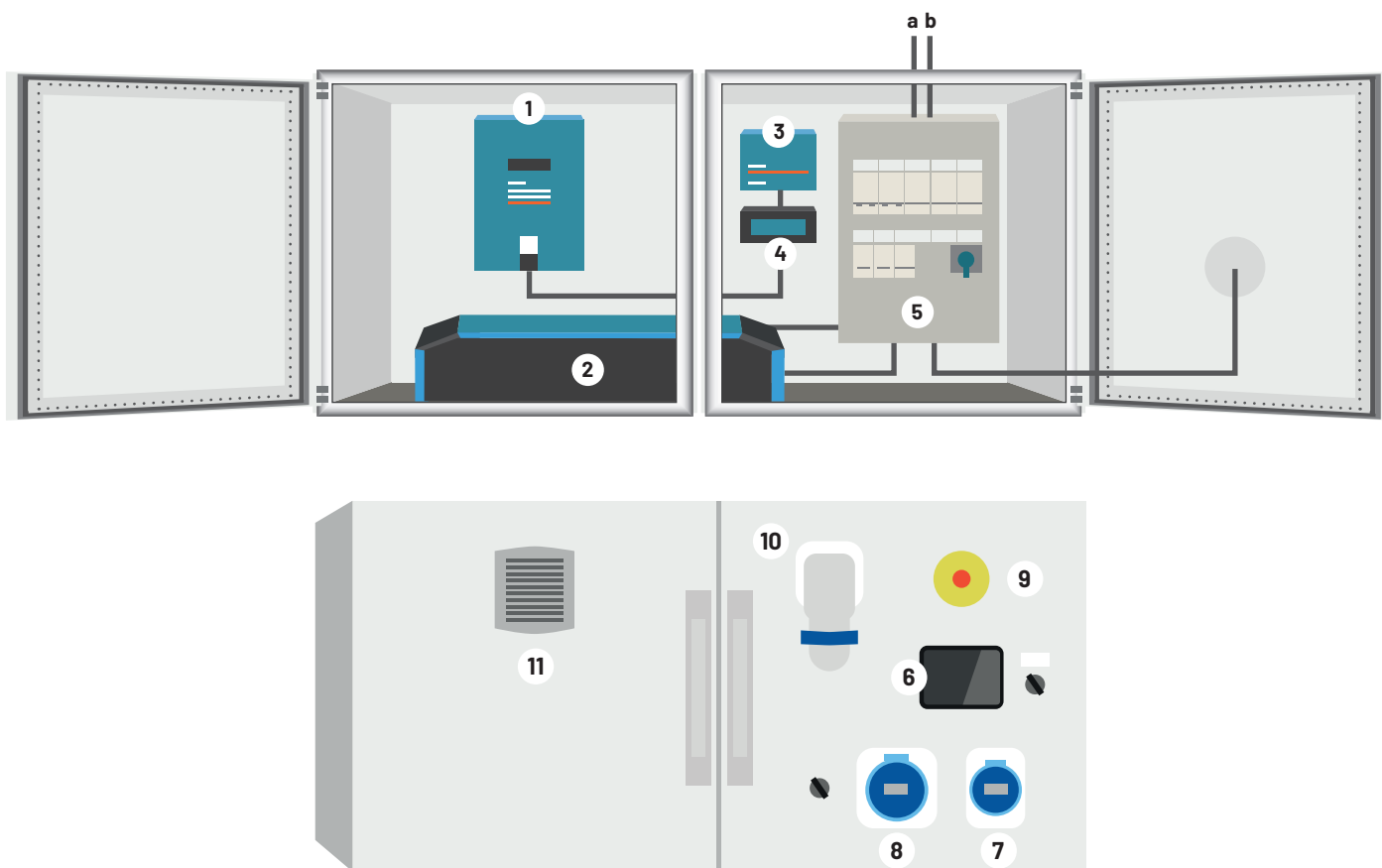
### Options

Backup genset integrated in the trailer for emergency load of batteries  
Battery box ventilated  
Reheat of battery for possible load below 0°C

### Applications

Humanitarian, mobile construction sites, military, agriculture, rural electrification, mining, events, base camps, water and waste treatment.

\*Depending on components availability



- 1 MPPT regulator
- 2 Charger inverter
- 3 Cerbo GX
- 4 Modem
- 5 Electric protection box
- a Towards solar panels
- b Towards batteries
- 6 Monitoring screen
- 7 Plug
- 8 Plug
- 9 Emergency stop
- 10 Auxiliary input (generator, grid)
- 11 Ventilation

### Trailer-Watt® 15S advantages

- Possibility of deployment by one person in less than 10 minutes
- Lightweight, flexible and unbreakable solar panels
- Autonomous energy management system
- Possibility to integrate a generator in the box for a backup (emergency load of the batteries in case of exceptional need)
- Possibility of connecting an external source (grid, genset or hydrogen)
- All-road structure with high ground clearance
- Certified batteries for mobility
- Possibility of disassembling the upper box from the trailer
- Stackable boxes for transport

🇫🇷 Made in France