

# TRAILER-WATT® 12S



## The autonomous and mobile solar energy solution.

The 12S solar trailer transportable with light vehicles with suspension and self-braking. Ball hitch head.



### Trailer-Watt® 12S technical specifications

#### Trailer dimensions and weight

Length (m)	6.40
Width (m)	2.30
Height (m)	1
Ground clearance (cm)	40
Weight (T)	1.5
Characteristics	Double axle, suspension, ball hitch head and self braking

#### Deployed photovoltaic solution

Length (m)	6.40
Width (m)	4.2
Height (m)	1
Maximum trailer slope	30°
Equipment for sloping	Manual hydraulic cylinder
Deployment time for one person	5 to 10 minutes

#### Photovoltaic system

PV module technology	Rigid monocrystalline
Number of modules	12 panels: 6 manually deployable and 6 fixed
Power of the modules	400 Wp
Total Off-grid power	4.8 kWp

#### Conversion system

Power	5 kVA
Output	Single-phase current (32A and 16A plug)

#### Batteries system

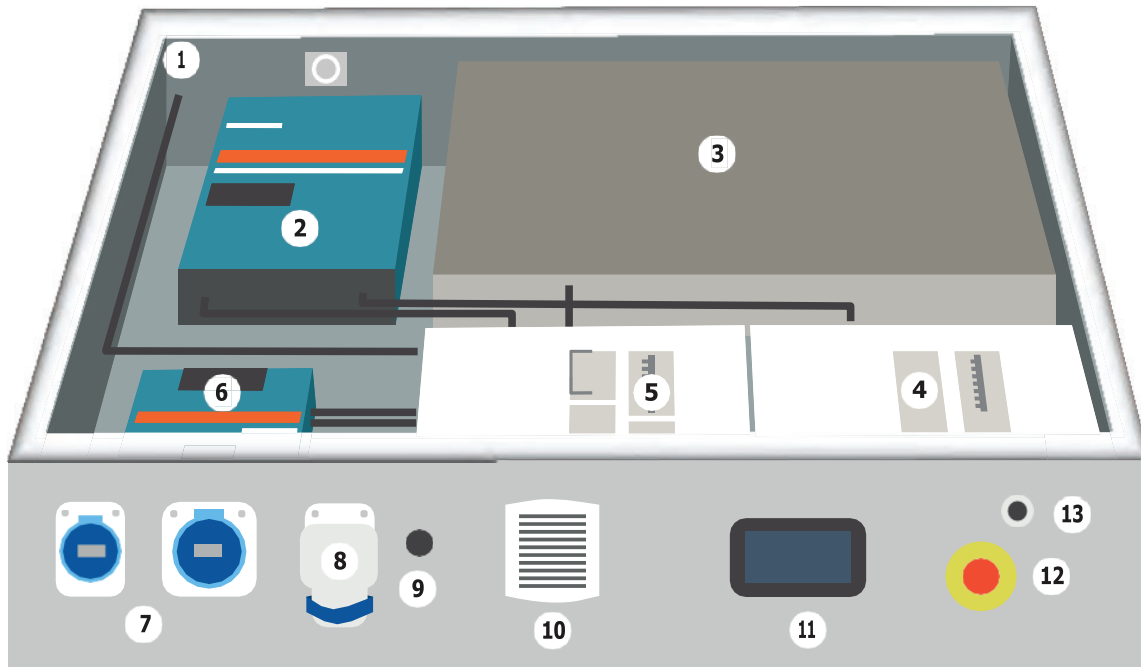
Technology	LiFePO4, high stability with 4000 cycles of charge/discharge at 90% of DOD. Mobility certified
Storage nominal capacity	11.5 kWh (90% usable)
Voltage	48 V
Interfacing external energy sources	Possibility to connect on external diesel generator or on the grid
Operating temperature	-20° to 45° Battery charging temperature: 0°C to 45°C

#### Options

Lighting mast

### Applications

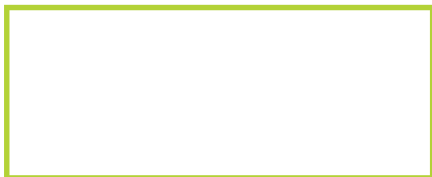
Humanitarian, mobile construction sites, military, agriculture, rural electrification, mining, events, base camps, water and waste treatment.



- |                     |                                  |
|---------------------|----------------------------------|
| 1 Solar input       | 8 Output plug                    |
| 2 Charging inverter | 9 Generator dry contact plug     |
| 3 Battery           | 10 Ventilation                   |
| 4 Battery           | 11 Monitoring screen + 4G module |
| 5 AC box            | 12 Emergency stop                |
| 6 DC box            | 13 On / Off button               |
| 7 MPPT Regulator    |                                  |

### Trailer-Watt® 12S Advantages

- Plug & Play mobile solution on trailer
  - Fast deployment (about 10 minutes)
  - Chassis equipped with a pre-wired and pre-tested battery converter
  - Specific batteries for mobile use
  - Wiring according to European standards
  - Safe and easy access for maintenance operation
  - CE compliant products
- 🇫🇷 Made in France



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