

TRAILER-WATT® 12S



The autonomous and mobile solar energy solution.

12S solar trailer movable with light and utility vehicles (SUV or 4x4).



Trailer-Watt® 12S technical specifications

Trailer dimensions and weight

Length (m)	6.40
Width (m)	2.50
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 monocrystallin
Number of modules	12 panels: 6 manually deployable and 6 permanent
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°C Battery charging temperature: 0°C to 45°C

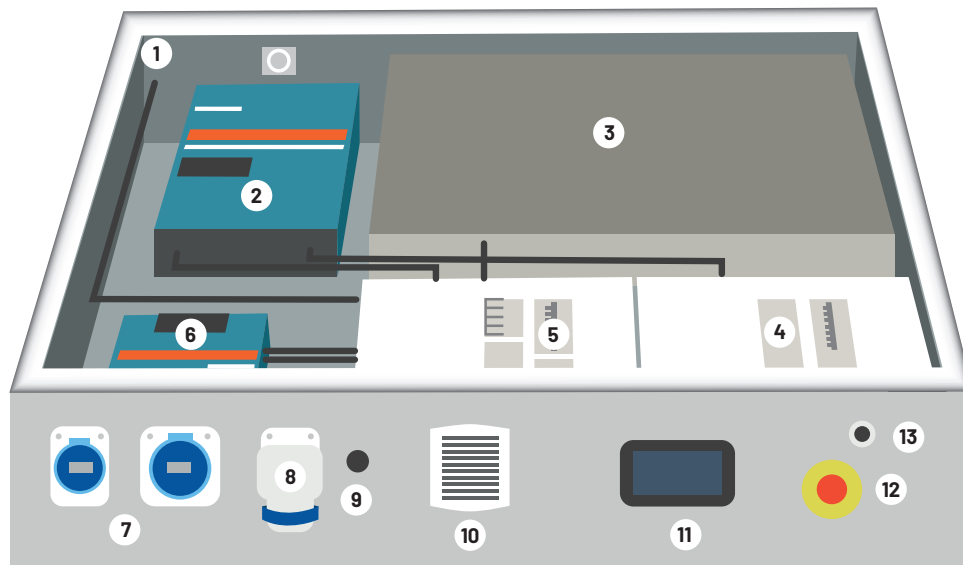
Options

Lighting mast

Applications

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

*Depending on components availability



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

Trailer-Watt® 12S advantages

- Plug & Play mobile solution on a trailer
- Fast deployment (about 10 minutes)
- Equipped with batteries for full autonomy
- Batteries certified for mobility
- Wiring according to European standards
- Safe and easy access for maintenance operations

🇫🇷 Made in France