

New VTS Solar EU

Product card

SCOPE OF SUPPLY: NEW VTS solar EU

- Flexibility of the LED lights:
 - o 4x100W G4
 - Adjustable light power
- Improved autonomy
- User friendly
- Simplification of control panel
- Zero emissions
- Homologated road trailer
- Telemetric



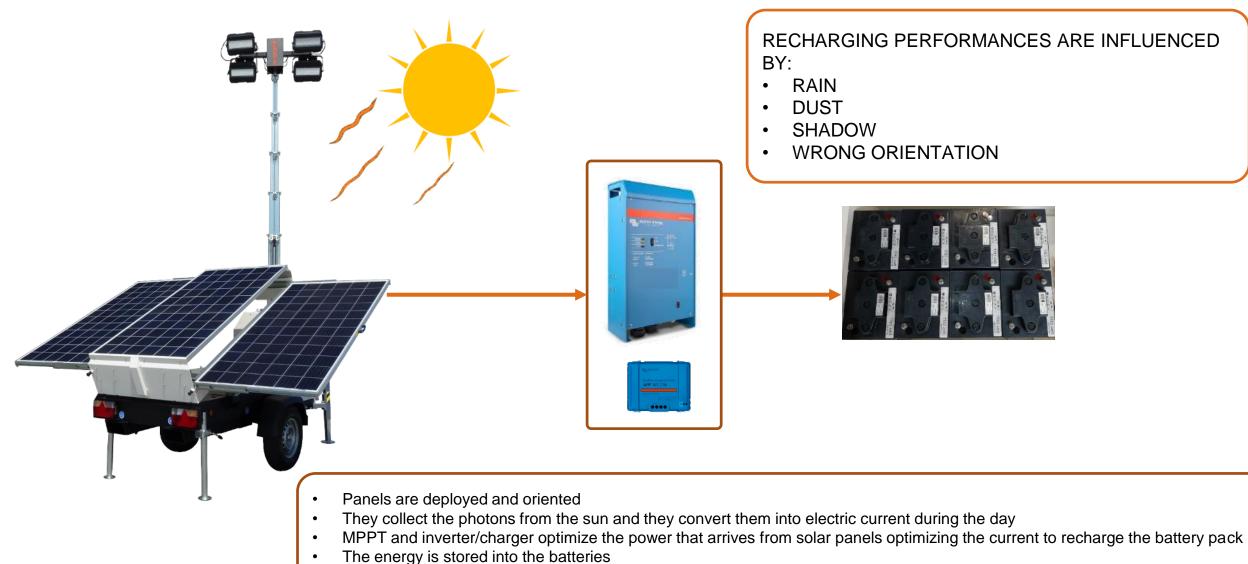
NEW VTS EU: TECHNICAL DETAILS

VTS Solar EU

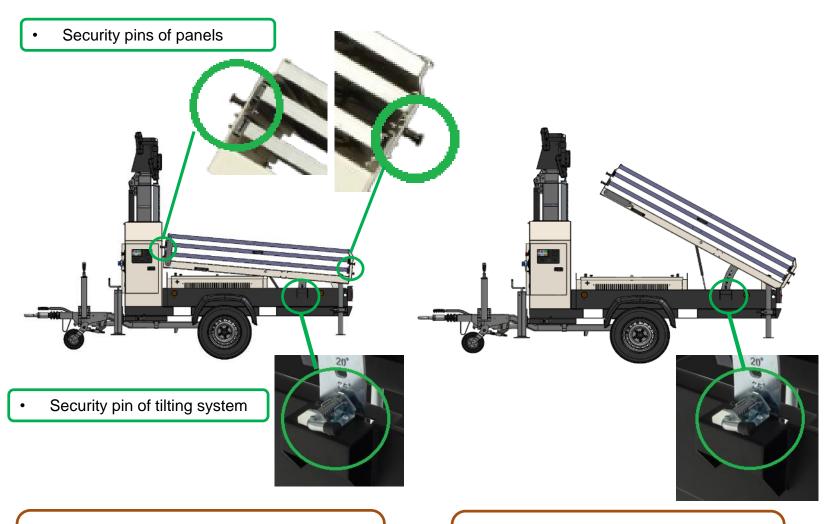
- Lamps: 4x100W G4 LED light
- Dimmable LED lights
- Maximum lumen output: 60000 lm
- 3x400 Wp solar panels half cell
- Sliding panels on heavy duty rails
- Manual tilting solar panels, gas spring assisted
- Hydraulic mast 8.2m
- Manual rotation 340°
- 8 AGM batteries 12V 120Ah each
- Nominal energy storage capacity: 11,5 kWh
- Wind resistance: 80 Km/h
- CEE inlet plug: 230V 16A 50/60Hz
- Multipin inlet plug for external solar kit
- Homologated road trailer
- 4 adjustable stabilizers
- Fork lift pockets
- Optional: Telemetric
- Weight: 1150 Kg



NEW VTS EU: HOW IT WORKS



NEW VTS EU: SOLAR PANELS DEPLOYMENT





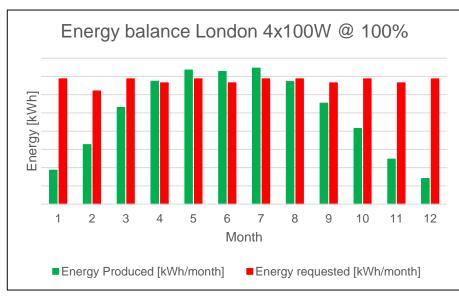
- Set the outriggers
- Release the security pin of the panels
- Release the security pin for tilting system

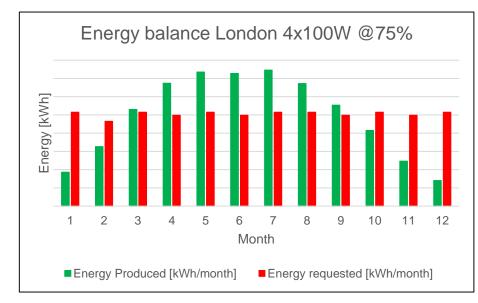
- Tilt the solar panels
- Lock the security pin for tilting system

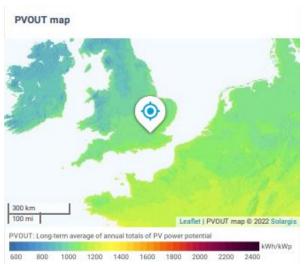
- Slide the solar panels
- Lock the security pin for the panels

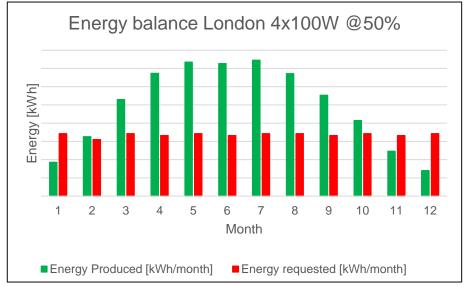
Performance: LONDON ENERGY BALANCE

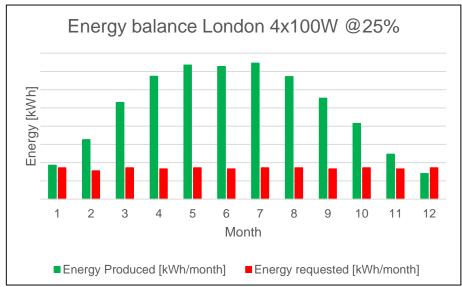
- Location: London area
- Inclination: 35°C
- Azimuth:180°
- No shadow
- Sunny day
- Shift: 8 h/day
- Theorical calculation











Performance: PAVIA ENERGY BALANCE

Location: Pavia area

Inclination: 35°C

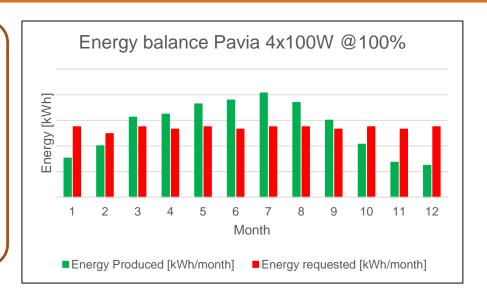
Azimuth:180°

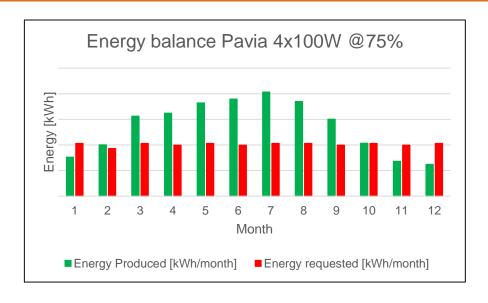
No shadow

Sunny day

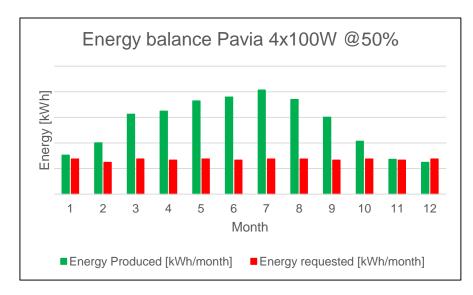
Shift: 8h/day

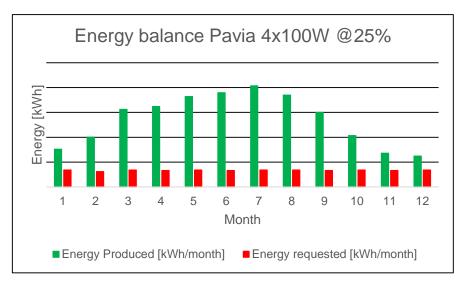
Theorical calculation



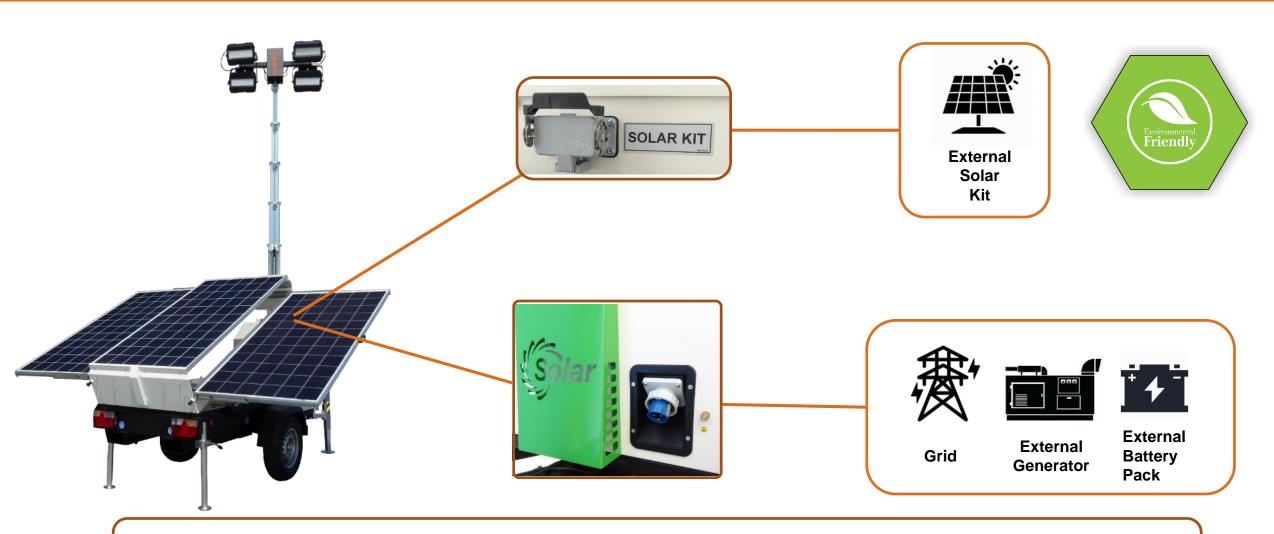






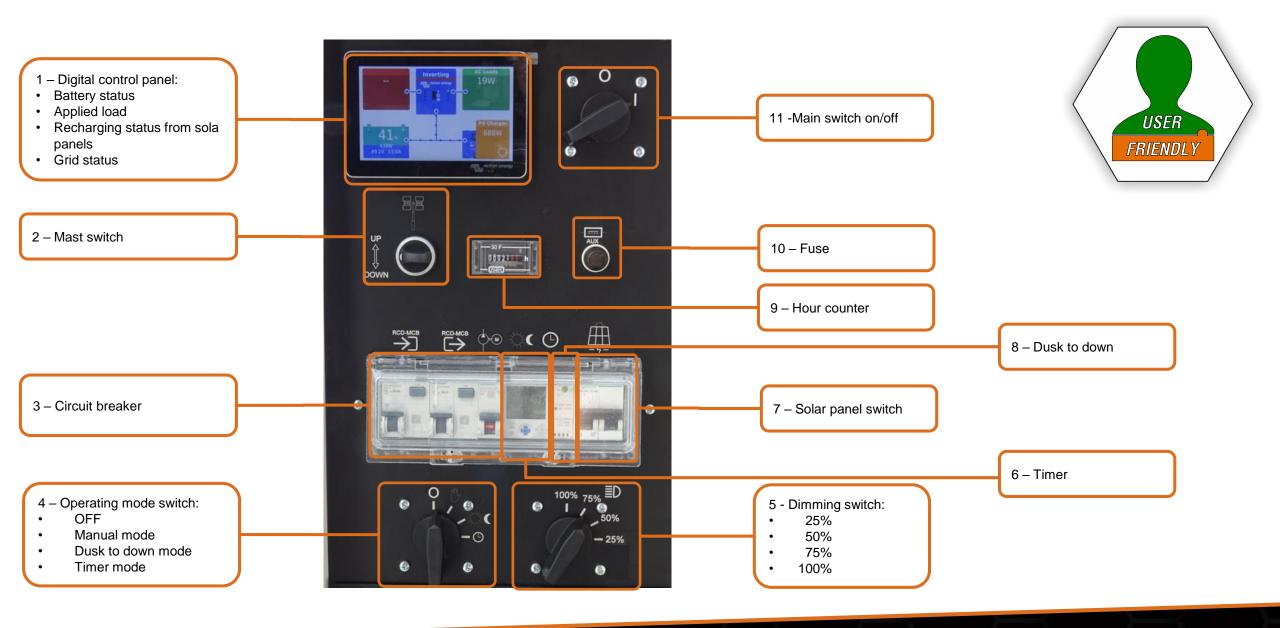


NEW VTS EU: EXTERNAL RECHARGING OPTIONS



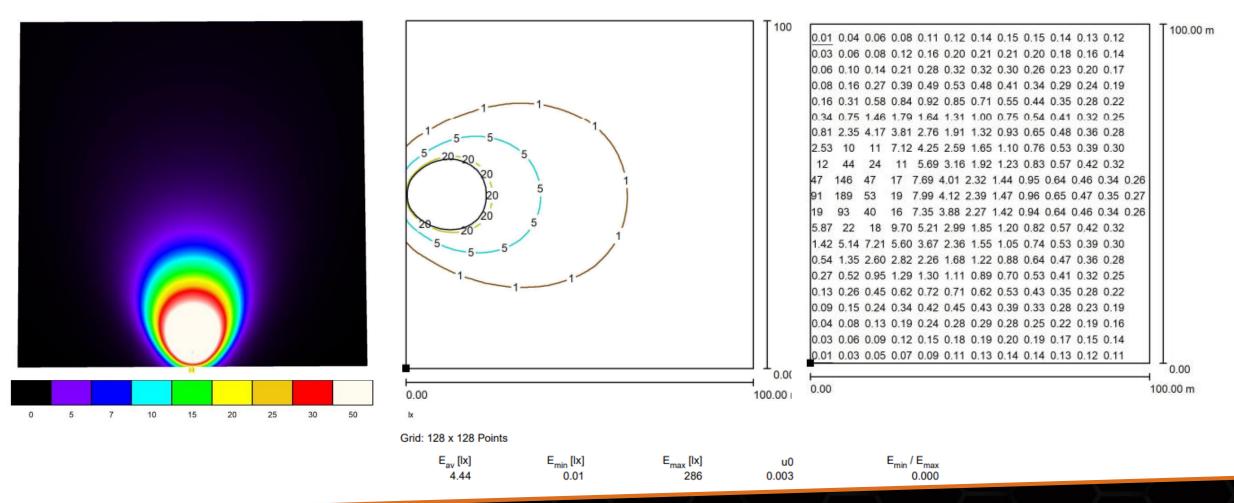
Recharging time 8h from grid
Discharging time 20h with 4x100W G4 @100%

NEW VTS EU: CONTROL PANEL



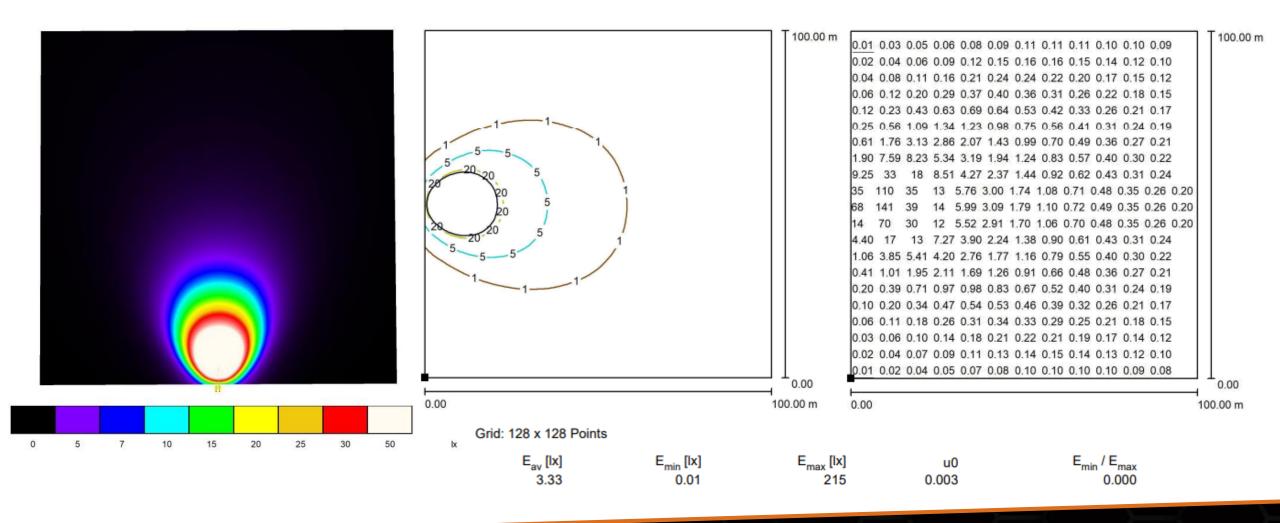
NEW VTS EU: LIGHT DIAGRAM 100% LAMPS DIMMING

Light diagram simulation 100% 4x100W
 Light diagram simulation Isolines



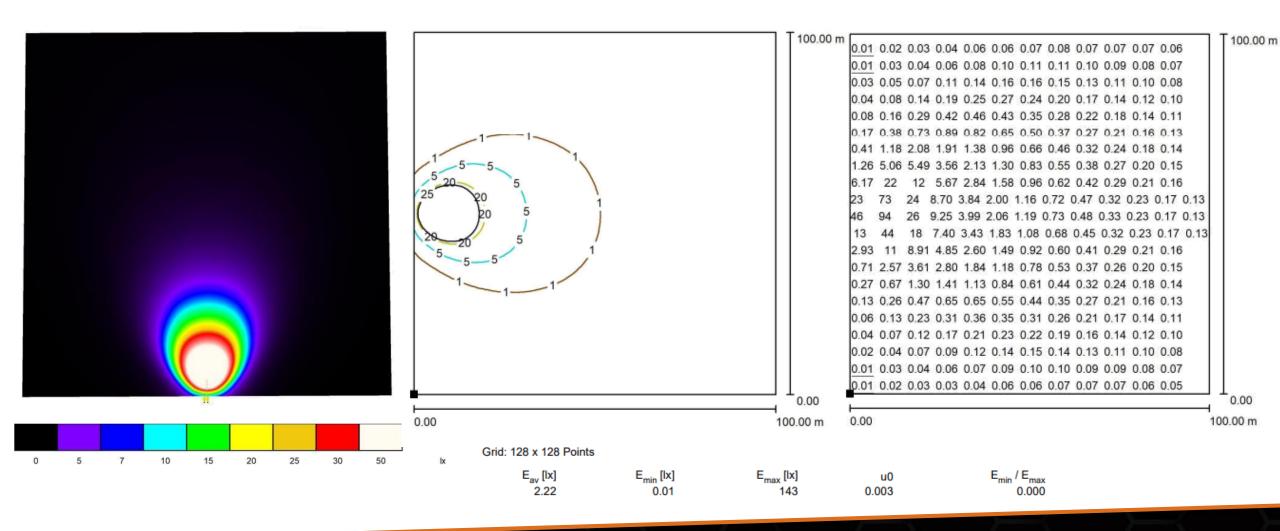
NEW VTS EU: LIGHT DIAGRAM 75% LAMPS DIMMING

Light diagram simulation 75% 4x100W
 Light diagram simulation Isolines



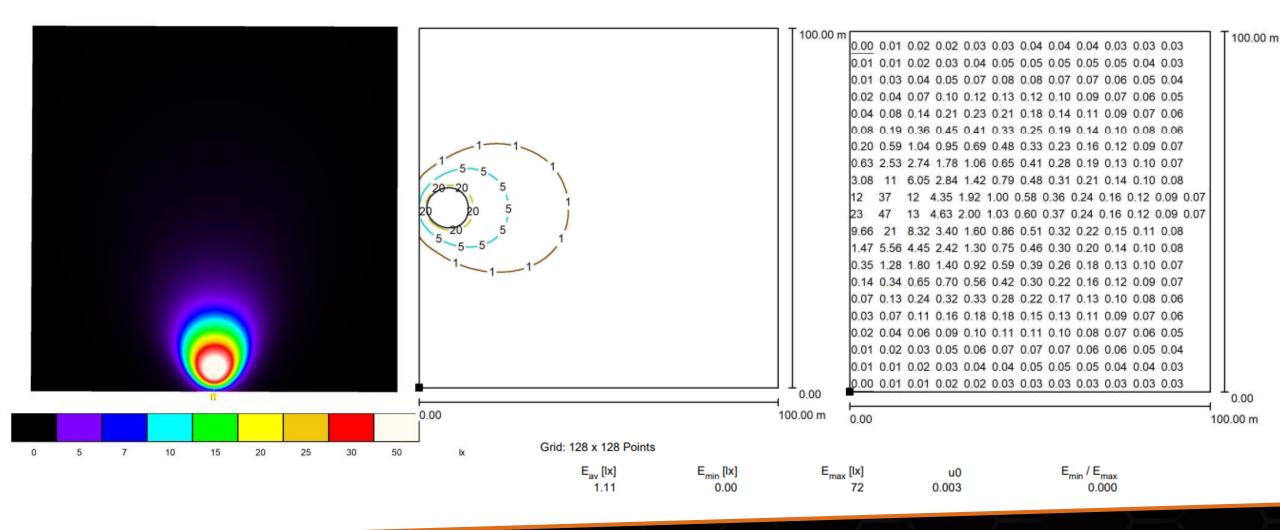
NEW VTS EU: LIGHT DIAGRAM 50% LAMPS DIMMING

Light diagram simulation 50% 4x100W
 Light diagram simulation Isolines



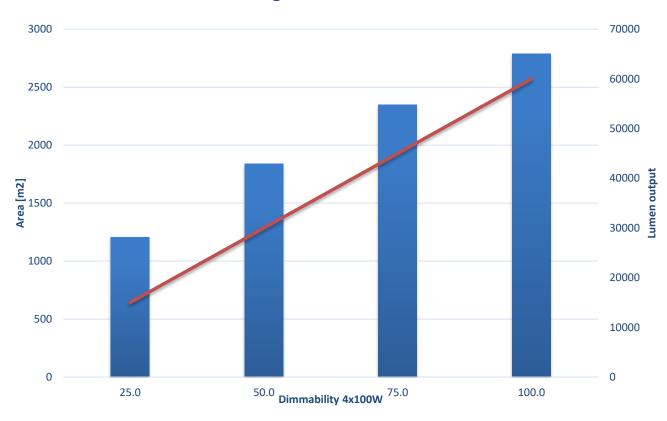
NEW VTS EU: LIGHT DIAGRAM 25% LAMPS DIMMING

Light diagram simulation 25% 4x100W
 Light diagram simulation Isolines



NEW VTS EU: LED LIGHTS PERFORMANCE





Light adjustment	Illuminated Area [m2]*	Total lumen output [lm]
25%	1207	15000
50%	1838	30000
75%	2348	45000
100%	2791	60000

* Referred to 1 lux min



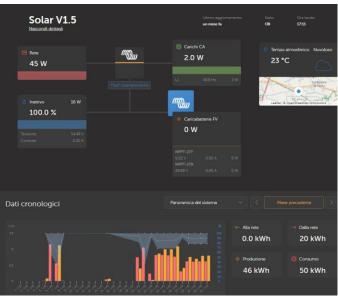
Feature: SOLAR KIT INLET



The unit can be connected to an external Generac solar kit to faster recharge the batteries of the new VTS. Connecting the solar kit, the total nominal power of the solar panels is 1,8 kWp. Charging time depends on weather conditions.

OPTION: TELEMETRIC





Telemetric device is available as option.

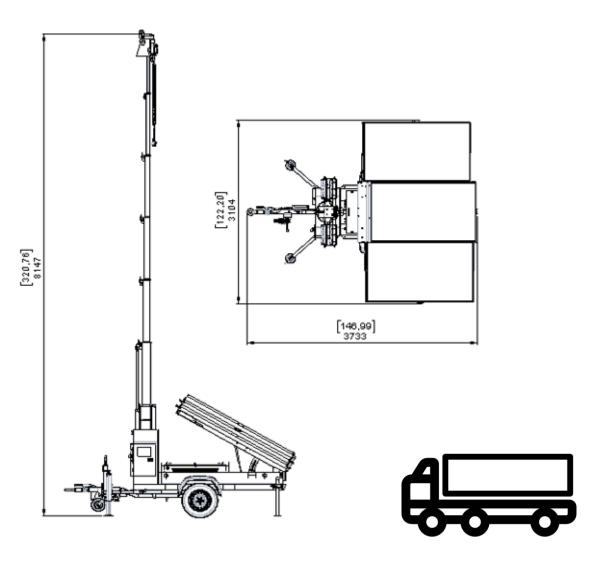
The customer can monitor the unit remotely.

Monitored parameters:

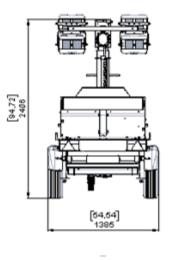
- Location
- Battery status
- Solar panel energy flow
- Plug in energy flow
- Electric load

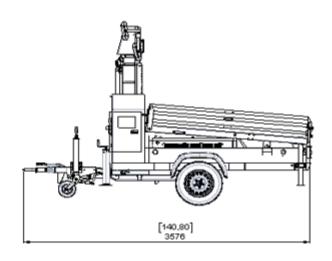
NEW VTS EU: DIMENSIONS

Open configuration: 3733x3104x8147 mm



• Closed configuration: 3576x1385x2406 mm





Up to 6 units on a 13,6m truck

mm [in]

NEW VTS EU: Prototype











Generac Mobile Srl

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