



Innovation 2026

Your **turnkey 3-in-1** photovoltaic carport

Much more than just a charging space for electric cars

Generate – Recharge – Optimise your energy!



Available in
2 or 3 parking
modules

Other configurations on request



EnerPark Mono N/S

Fully equipped photovoltaic shade structure

ABOUT

Off-centre single-post shade structure with 3 portrait modules equipped with 465Wp modules, hybrid inverters and supplied with its own decoupling box.

The system can be supplemented with vandal-proof 7-22kW three-phase charging stations, storage batteries and an intelligent energy management system (EMS).



DIMENSIONING

- > Wind up to $V_b = 26$ m/s
- > Snow up to $S_k = 0.73$ kN/m² and accidental load S_{ad}
 $S_{ad} = 1.35$ kN/m²
- > Impact of light vehicles on the structure taken into account

Please contact us for confirmation.

CONTENTS :

- ✓ HelioPark Mono N/S structure (20-year warranty)
- ✓ Trina Solar 465 Wp PPE2 modules (25-year warranty)
- ✓ Huawei SUN2000-xxKTL inverter (5+5-year warranty)

STRUCTURES

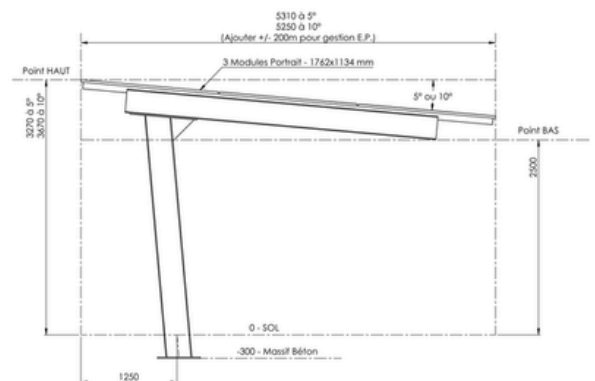
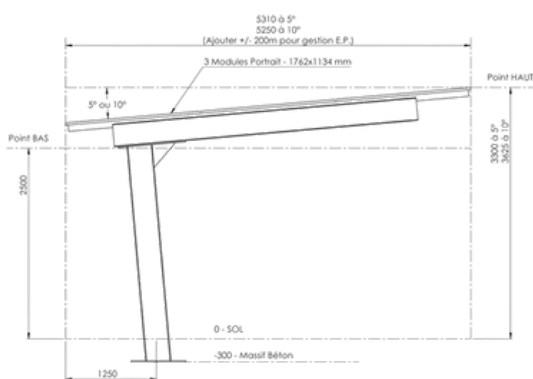
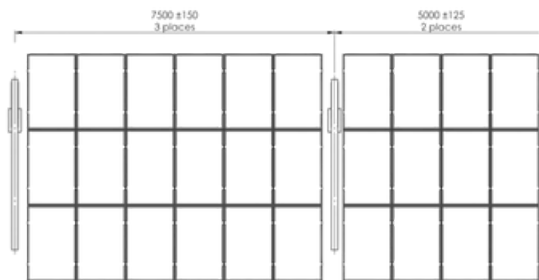
- ✓ Modules for 2 or 3 spaces. 2,45 to 2,55m wide
- ✓ Post centre distance :
 - 2-space module: 5000 ± 125mm
 - 3-space module: 7500 ± 150mm
- ✓ Low point 2.5m
- ✓ 5° or 10° incline
- ✓ Compatible with 1762*1134*30-25mm
- ✓ No obstruction at door level
- ✓ Rising or falling slope (north/south)

MATERIALS

- ✓ Primary structure in hot-dip galvanised S235 steel
- ✓ Secondary structure in Magnélis® or ZMA anti-corrosion steel
- ✓ Black anodised aluminium module clamps – bottom clamping
- ✓ Magnélis® or ZMA anti-corrosion steel gutter
- ✓ Corrosion warranty: 20 years in class C3

FOUNDATIONS

- ✓ Massive concrete (~2m³/post), driven piles



Some photographs and specifications may not exactly correspond to the products currently in production.

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WATER MANAGEMENT



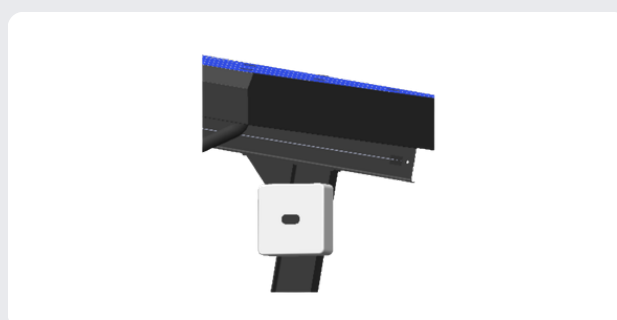
- ✓ Integration system with drainage rails
- ✓ Inter-module gutters
- ✓ ZMA steel bottom slope gutters
- ✓ Grey PVC downpipe

SUPPORTS FOR CHARGING STATIONS



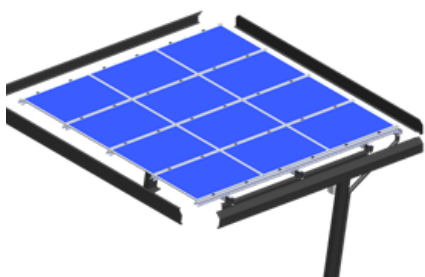
- ✓ ZMA steel bracket
- ✓ Located at the rear of the post to facilitate wiring and protect the terminal from impact

SUPPORTS FOR INVERTERS



- ✓ ZMA steel bracket
- ✓ Located at the top of the post

Finishing covers on all 4 sides



Optional RAL powder coating

Other colours available on request



White
RAL 9016



Black
RAL 9005



Anthracite Grey
RAL 7016

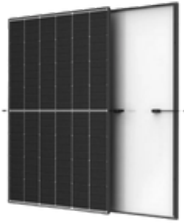


Light grey
RAL 7035



**Hot-dip
galvanized**

Equipment



TRINA SOLAR
S+ 465 Wp Glass modules

- ✓ Double glass
- ✓ Monocrystallin TOPCon de type N
- ✓ White backsheet - attractive appearance
- ✓ 25-year warranty



V2C
Trydan Pro - charging station

- ✓ Tethered cable
- ✓ MVR polycarbonate
- ✓ Socket with shutter
- ✓ RFID reader
- ✓ MID meter



HUAWEI
HUAWEI SUN2000-xxK-LBO hybrid inverter

- ✓ Mono-phase
- ✓ ESS compatible
- ✓ Maximum input voltage: 1100V
- ✓ 5+5 year warranty



HUAWEI
LUNA2000 battery 7/14/21 kWh

- ✓ Modular capacity per 7kWh
- ✓ IP66
- ✓ Operating temperature: -20°C to 55°C
- ✓ IEC62619
- ✓ 5+10 year warranty



Pre-wired decoupling box

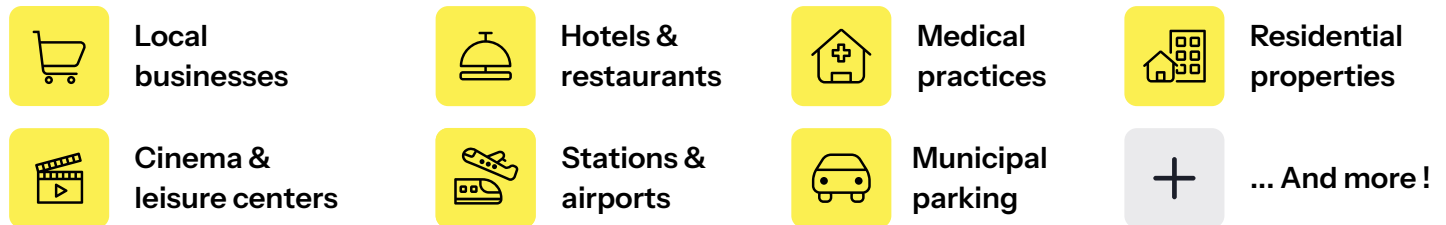
- ✓ Decoupling relay integration
- ✓ Front panel emergency stop
- ✓ Coupling/decoupling LED
- ✓ Automatic reset
- ✓ Compliant with RGIE/NF C 15-100/CEI 64-8



Intelligent Energy Management System (EMS)

- ✓ Automatic VPN connection
- ✓ Priority management, overload prevention, maximisation of self-consumption, dynamic tariff management, etc.

Off-centre Monopile Photovoltaic structure



ADVANTAGES:

- ✓ Less foundation space requirement
- ✓ No obstruction for car doors
- ✓ Charging stations integrated into the post
- ✓ Different types of foundations available

OPTIONAL FINISHING CHOICES

- > Custom powder coating color
- > Rainwater collection
- > Lighting
- > Finishing covers

DIMENSIONS & PARKING CONFIGURATION:

- ✓ Lowest height: 2.5 m
- ✓ Maximum vehicle length: 5.3 m
- ✓ Possible parking configurations:
 - > 2 standard spaces
 - > 1 standard space and 1 PRM*
 - > 2 PRM* spaces
 - > 3 standard spaces

*Persons with Reduced Mobility

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