

Modular Aluminium Residential Solar Carport

Vela Series



Gamcorp Certified Structure



CEC Certification



Adjustable Height & Lightweight



All-Aluminum Alloy

More Than a Carport

Why settle for a traditional carport? The Vela Solar Carport does more than protect your vehicle. It also generates solar electricity for use in your home or to charge a compatible electric vehicle. With the Vela Series Solar Carport, you can turn a functional space into a solar asset that can help reduce electricity purchased from the grid and support long-term energy cost savings.*3

Key Features

Structural Waterproof Panels



Features GoodWe Polaris BIPV panels with an integrated, glue-free waterproofing system, ensuring a sleek, seamless, and durable finish.

Innovative Modular Design



As a complete modular system, the Vela carport offers outstanding versatility. The adjustable clearance height can easily accommodate different vehicle sizes.

Effortless Installation



Designed for simplicity. The lightweight construction enables a straightforward installation without the need for heavy machinery.

Cost-Savings



Maximise your property's potential. Shelter your vehicle from the elements while generating clean energy to reduce your electricity bills and charge your EV for free.

Ready for Accessories



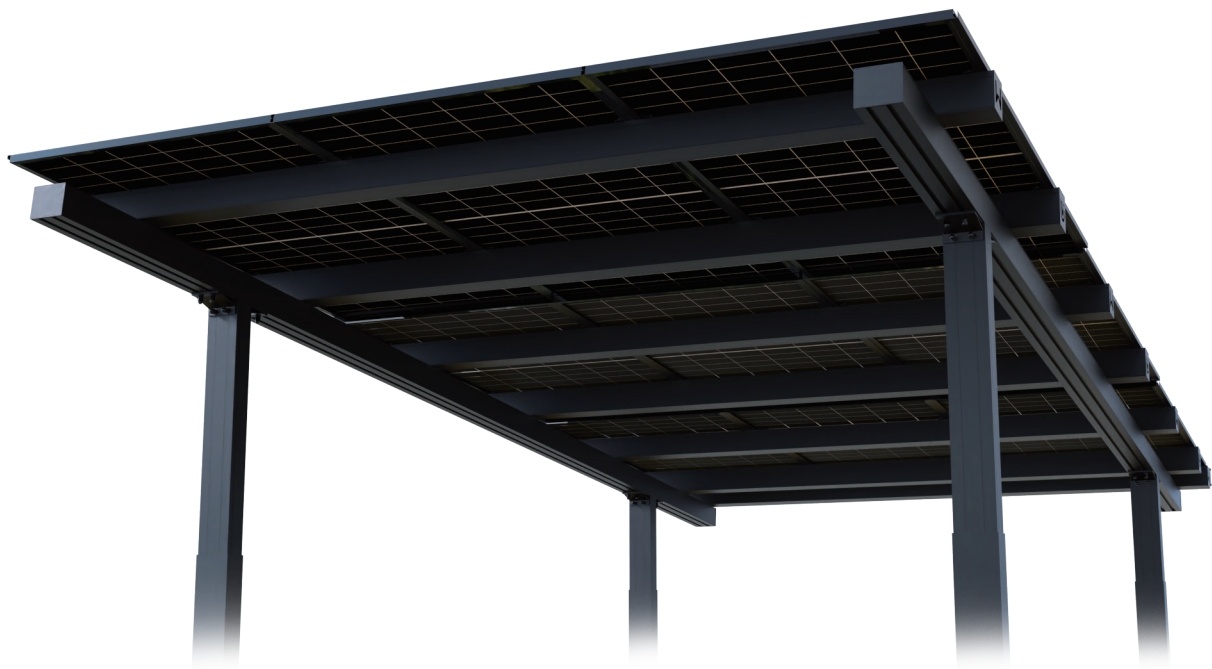
The system is designed to support a variety of optional accessories, such as security cameras and motion-sensor lighting.

All-in-One Solution



The complete carport system is delivered in a single, convenient package, simplifying logistics from procurement to installation.

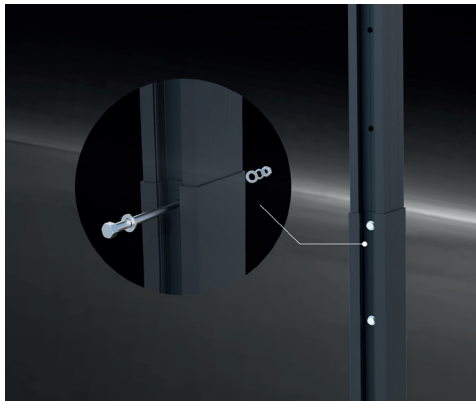
Structure & Accessories



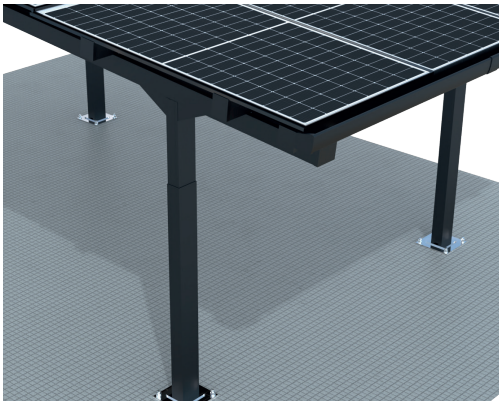
Structurally Waterproof



Clamp Mounting



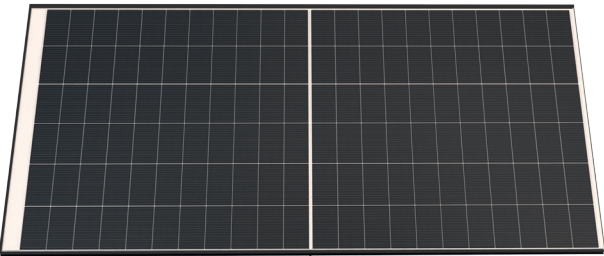
Adjustable Height



Gutter (excluding downpipe)

Waterproof BIPV Panels

GoodWe Polaris Series for Solar Carport

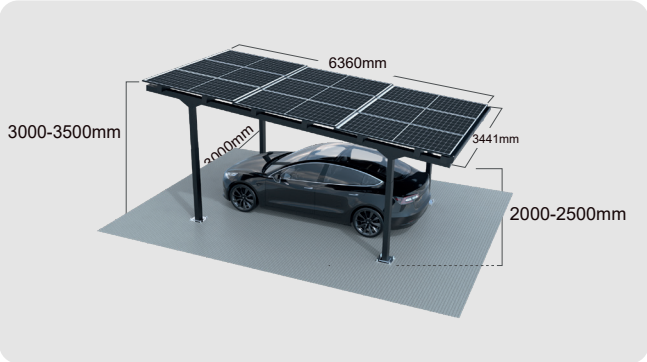
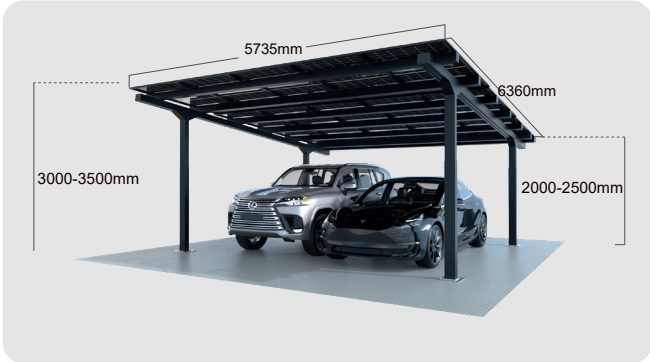


-  Self-cleaning Ability
-  Structural Waterproofing
-  Rated Class 1 for fire reaction according to UNI 9177.
-  Double-glass Design
-  Convenient Installation

Panel Data	BMT-P2-132A
Size*	2142*1160*29.6mm
Weight	30+0.5kg
Cable	4 mm ²
Cell Type	N-Type TOPCon Half Cells(132pcs)

Electrical Data (STC)	STC:AM=1.5, irradiance 1000W / m ² , component temperature 25° C
Power (W)	540W
Efficiency(%)	21.73%
Power per m ² (W/m ²)	217W/m ²
Voltage at Max Power (Vmpp)	41.70V
Voltage at Open Circuit (Voc)	48.43V
Current at Max Power (Impp)	12.95A
Current at Short Circuit (Isc)	13.65A

Vela Carport Specifications



	Single	Double
Power Output	4.86 kW	8.10 kW
Carport Structure Length	6360 mm	6360 mm
Carport Structure Width	3441 mm	5735 mm
Carport Peak Height	3000-3500 mm	3000-3500 mm
Carport Clearance Height	2000-2500 mm	2000-2500 mm
Solar Panels	Polaris 540W x 9PCS	Polaris 540W x 15PCS
Base	Galvanized carbon steel	
Main Structure	6005-T5 aluminum alloy	
Connectors	6005-T5 aluminum alloy	

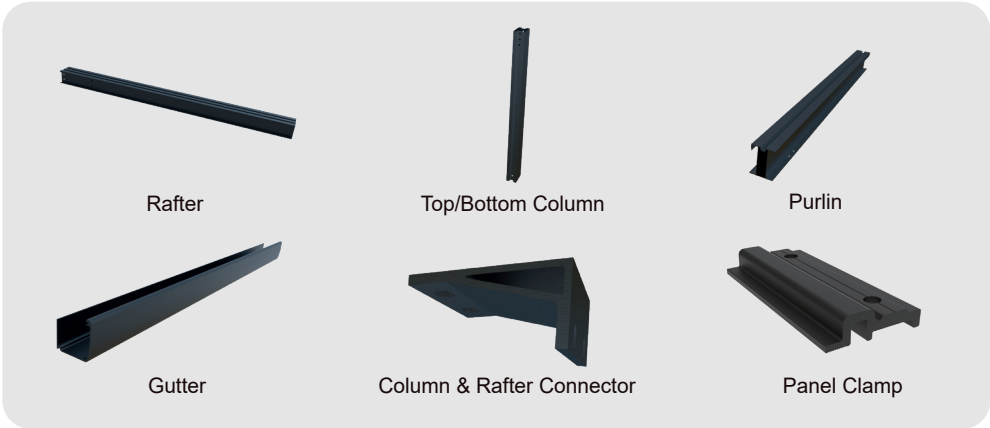
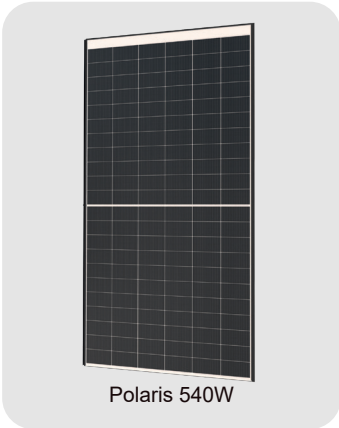
Single Solar Carport Solution



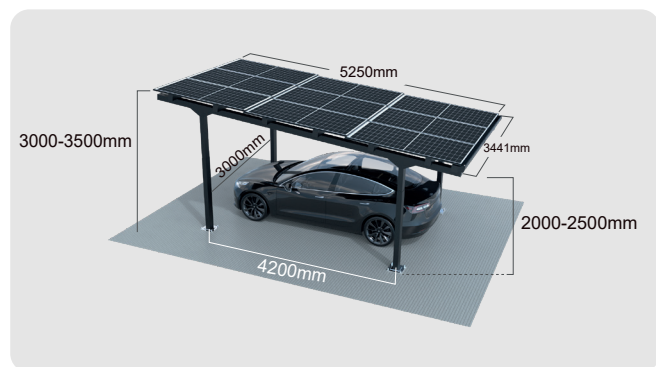
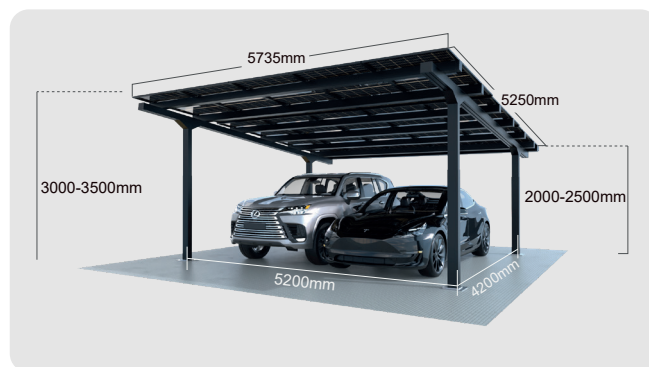
Double Solar Carport Solution



All-In-One Package



Vela Compact Specification



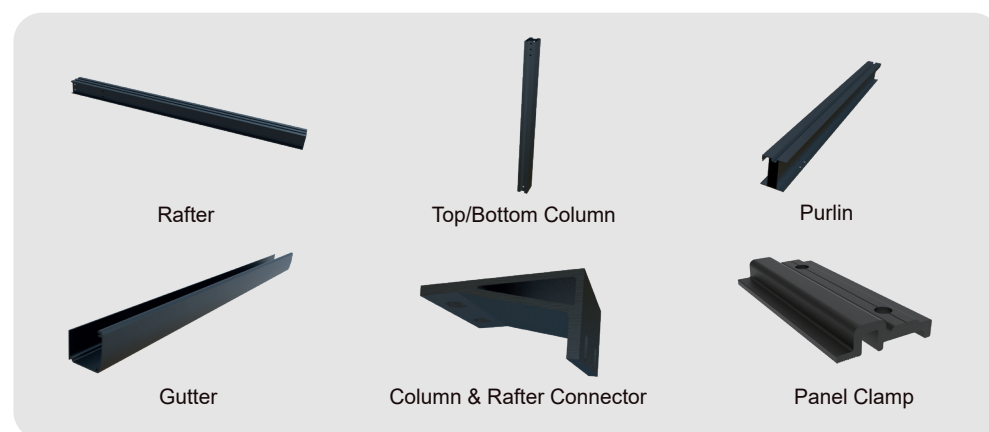
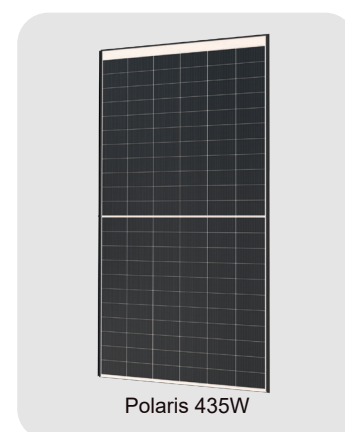
	Single	Double
Power Output	3.915 kW	6.525 kW
Carport Structure Length	5250 mm	5250 mm
Carport Structure Width	3441 mm	5735 mm
Carport Peak Height	3000-3500 mm	3000-3500 mm
Carport Clearance Height	2000-2500 mm	2000-2500 mm
Solar Panels	Polaris 435W x 9PCS	Polaris 435W x 15PCS
Base	Galvanized carbon steel	
Main Structure	6005-T5 aluminum alloy	
Connectors	6005-T5 aluminum alloy	

Single Solar Carport Solution

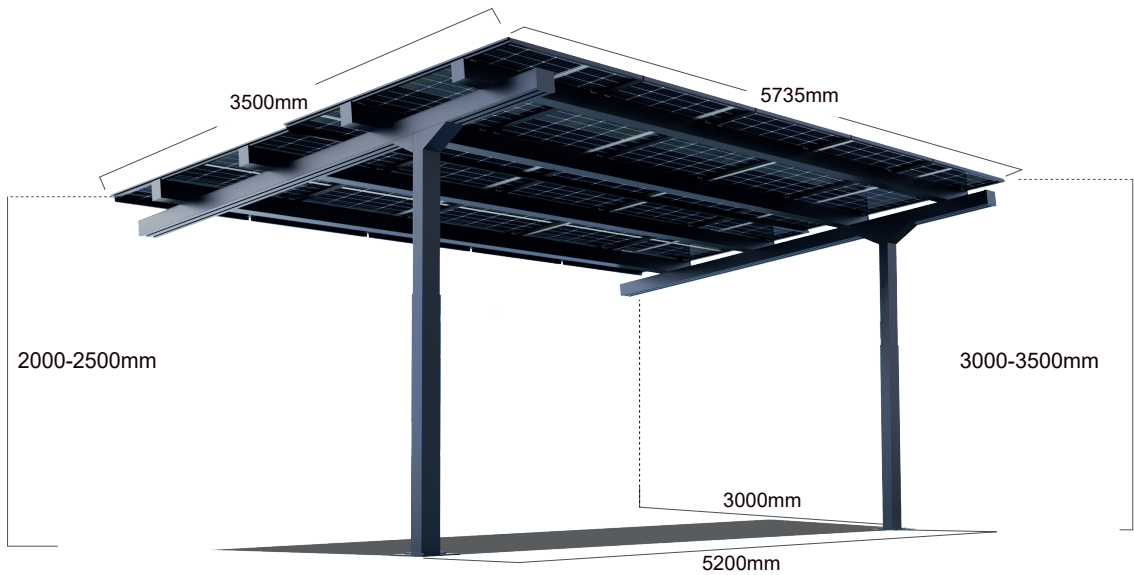
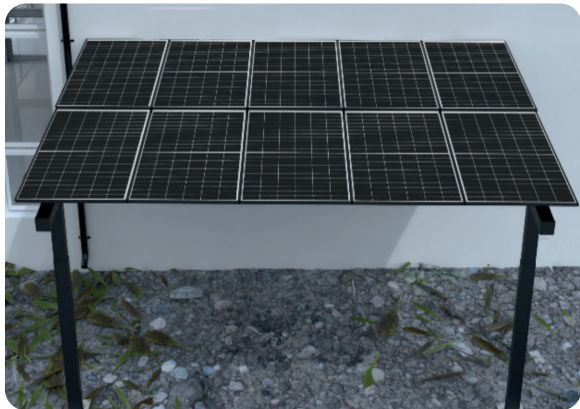
Double Solar Carport Solution



All-In-One Package



Vela Wall Specification



Power Output	4.35kW
Carport Structure Length	5735mm
Carport Structure Width	3500mm
Carport Peak Height	3000-3500mm
Carport Clearance Height	2000-2500mm
Solar Panels	Polaris 435W x10PCS

GOODWE PV BUILDING MATERIALS

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