

• Queens solar carport mounting structure is a specialized framework designed to support and integrate solar panels into a carport, providing a dual-purpose solution of shelter for vehicles and solar energy generation. This innovative system combines clean energy generation with practical infrastructure, offering several key features:

Solar Panel Integration:

- The mounting structure is equipped with support rails and brackets designed to securely hold solar panels, optimizing exposure to sunlight for efficient energy generation.

Carport Design:

- The structure is configured as a carport, providing shade and shelter for parked vehicles. This dual-functionality maximizes the use of available space.

Weather Resistance:

- Built with materials resistant to weather conditions, the structure ensures the longevity and durability of both the carport and solar panels.

Energy Generation:

- The solar panels integrated into the structure harness sunlight to generate clean and renewable energy, contributing to reduced reliance on traditional power sources.

Grid Connection:

- Many solar carport systems are designed to connect to the electrical grid, allowing excess energy generated to be fed back into the grid or stored for later use



Solar carport mounting structures are employed in various settings, including commercial facilities, parking lots, educational institutions, and residential areas. Their versatility and dual functionality make them a practical choice for organizations and individuals seeking to integrate solar energy into everyday infrastructure.

Customizable Designs:

- The mounting structure can be customized to accommodate various types and sizes of solar panels, adapting to specific energy requirements and available space.

Environmental Impact:

- By utilizing solar energy, the carport contributes to reducing carbon emissions and the overall environmental impact associated with conventional energy sources.

Cost Savings:

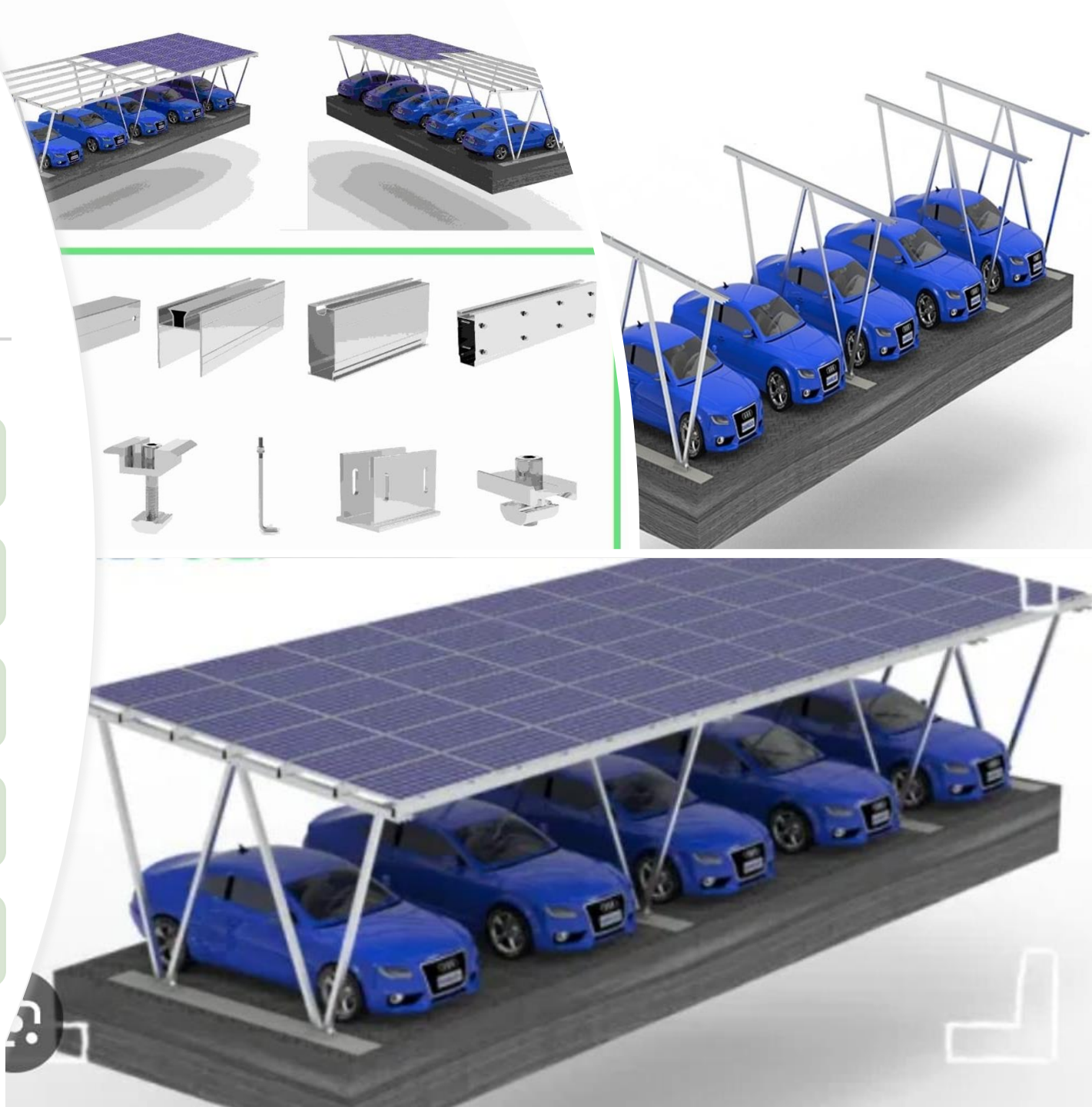
- Over time, the solar carport system can lead to cost savings by generating clean energy and potentially reducing electricity bills.

Aesthetic Considerations:

- Some designs prioritize aesthetics, ensuring that the solar carport integrates seamlessly into its surroundings while enhancing the visual appeal of the space.

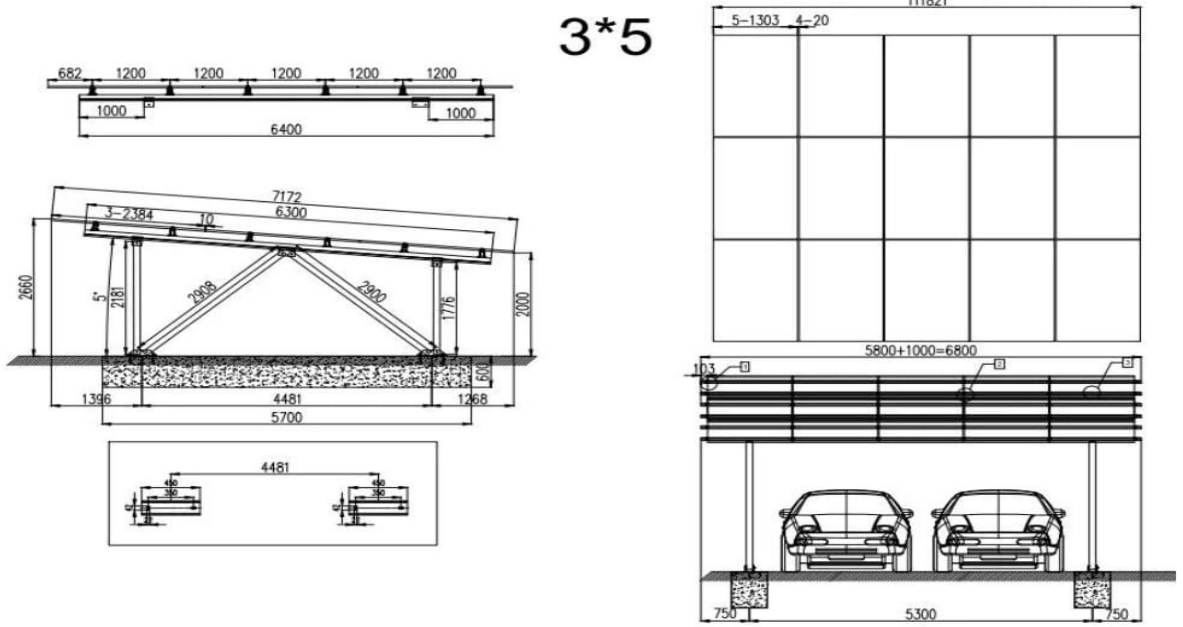
Maintenance Requirements:

- The structure is designed with minimal maintenance requirements, offering a reliable and low-cost solution for sustainable energy generation.



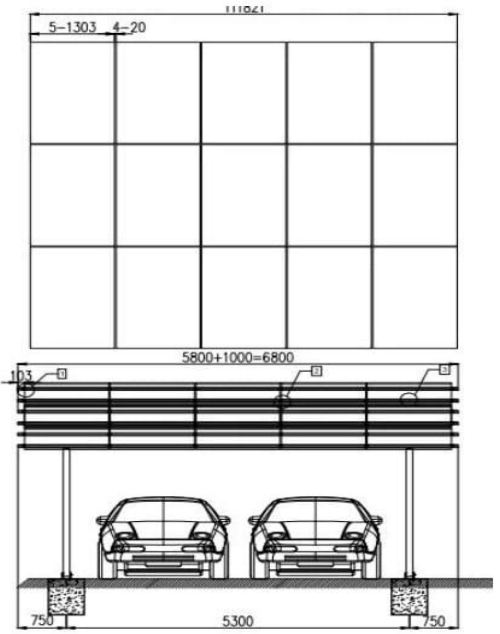
TECHNICAL DRAWING FOR YOUR REFERENCE:

The professional and experienced technical team is committed to meeting the needs of customers. We will spare no effort to listen to every subtle demand of customers and strive to customize perfect solutions for customers.



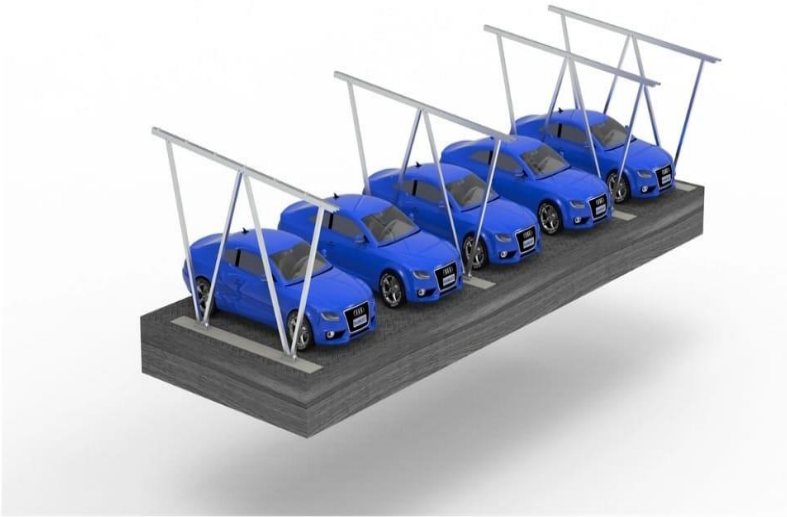
FOR A PERFECT SOLUTION DESIGN, WE NEED MORE BASIC SITUATIONS AS BELOW:

1. **Solar Panels Specification:** Length_____, Width_____, Height_____,Weight_____
2. Solar Panels **Layout:** Rows___* Columns___ vertical or horizontally arrangement?
3. The **max wind speed and snow load** on the project installation site
4. **Structure angle** is ____degree?
5. The **min ground clearance** is _____?
6. When do you need our products to be shipped?



EASY INSTALLATION ONLY THREE

STEPS:

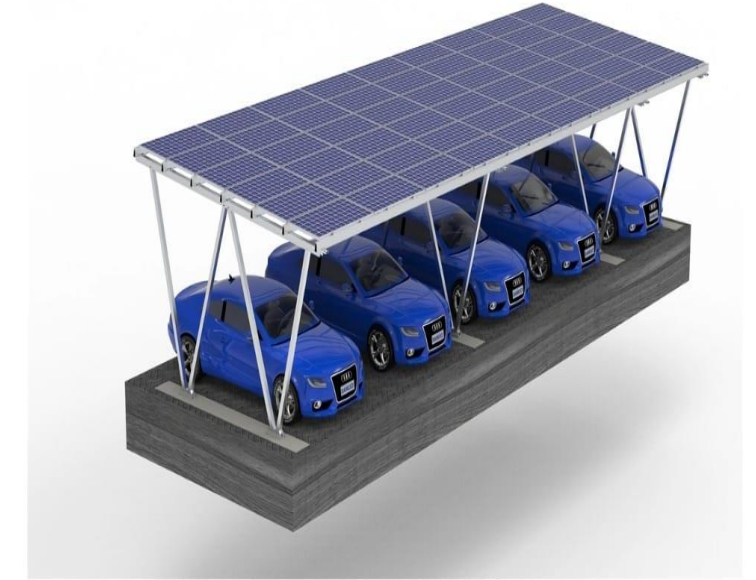
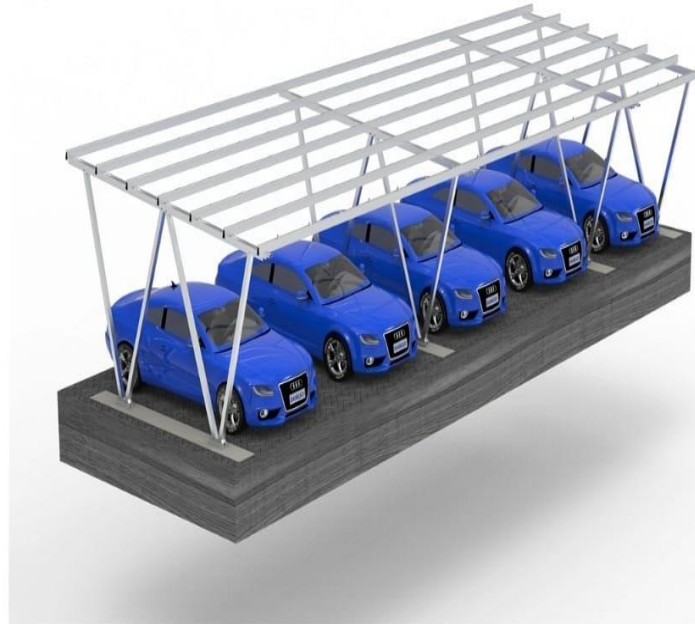


STEPS 01

Install the carport beams and poles firstly and anchor it onto concrete foudation by right angle screws.

STEPS 03

Attach solar rails on the beam and fastening by solar rail clamps



STEPS 03

Install solar panels on the rails and fixing by solar mid clamps and end clamps

