

Steel Carport

The cost-efficient modular carport system

- swift and easy mounting
- optimum area utilization
- suitable for all kinds of modules
- customized foundation options
- 5-year durability guarantee



This useful enhancement of our range of products enables us to offer our customers an even more cost-efficient carport variant. This steel carport serves as roof for parking lots and simultaneously generates solar power which may either be fed into the grid or used on-site, to thus reduce the operating costs (own consumption).

Besides, this steel carport is ideally suited as charging station for electric vehicles and e-bikes. It is available as individual carport or as carport array of unlimited size. This steel carport may be deployed as canopy for existing as well as for newly built parking spaces.



The trends in the field of solar mounting systems are definitely moving towards cost-efficient systems made of steel which may nearly as conveniently be mounted as aluminium systems. Besides, steel possesses a unique material property, such as higher bearing capacity and is much stronger than aluminium. To meet Schletter's high quality standard, hot-dip galvanized steel is used for the carport.

Generally, the steel carport offers the same benefit and all the possibilities like the other carports of this range of products. And it is as versatile as the other carports. But this variant does not dispose of any vehicle impact protection. Height differences in terrain topography here as well are levelled by means of foundation posts. Those posts (rectangular rails) are either rammed (pile-driven) or cast in concrete. With pile-driving (ramming), it is even possible to mount racks on difficult subsoils, such as gravelly soil, extremely soft or rocky soil (bedrock).

With the Schletter steel carport, you opt for a robust and cost-efficient solution to protect vehicles against weather and at the same time use free energy from the sun.



Technical data

Material	Fastening elements, screws/bolts: Steel, hot-dip galvanized or high-grade steel (fastening device, bolts) Rails: Steel, hot-dip galvanized Pile-driven foundation posts: Steel, hot-dip galvanized
Logistical details	<ul style="list-style-type: none"> • Delivery of single components as well as a maximum level of pre-assembly is possible. • Transport to the installation site appropriate to the specific kind of mounting
Construction	<ul style="list-style-type: none"> • Quick and easy mounting
Foundation	<ul style="list-style-type: none"> • Cast-in-place concrete provided by the customer on site according to our specifications • Anchoring of foundation posts using special ramming machines / post-driving machines
Delivery and services	<ul style="list-style-type: none"> • Ground survey and structural analysis of the soil • Structural analysis of the individual rack based on regional data • Pile driving of the foundations and delivery of the complete mounting material • Optional: Rack mounting • Optional: Complete module assembly
Structural analysis	<ul style="list-style-type: none"> • Structural analysis of the respective terrain based upon a geological survey • Individual systems analysis based on regional load values • Load assumptions according to DIN 1055, part 4 (03/2006), part 5 (06/2005), part 100 (03/2001), Eurocode 1 (06/2002), DIN 4113, DIN 18800, Eurocode 9 and further or corresponding national standards • Highly efficient, material-saving rail geometries • Structural verification of all construction components based on FEM-calculation

Further information at www.schletter.eu

*in accordance with our General Terms and Conditions of Sale and Supply (www.schletter.de/AGB_en)
Subject to changes and/or technical modifications.