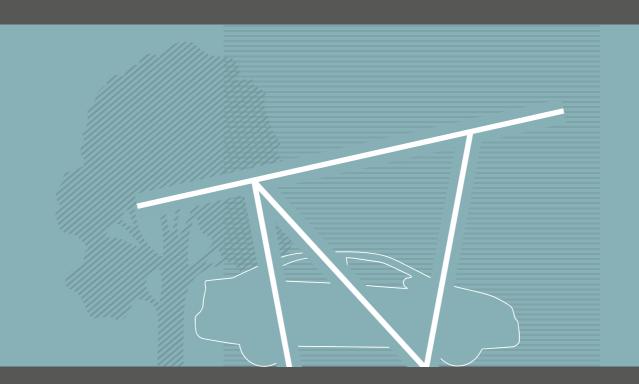
CARPORT CATALOG







VISION

With our range of products, we are specifically focusing on the ecological aspects connected to a new lifestyle, where the outdoors symbolize being in touch with nature, where boundaries disappear and change. Our systems, working with renewable energy sources, are a valid answer to the need to preserve the world that we share with all living beings, to respect it and to keep it untouched.

MISSION

The legacy we have been carrying on for over thirty years is a centuries-old tradition, strongly connected to the Earth and its bounty. Our mission is loyal to the spirit of cultivating, ploughing, manuring, watering, and harvesting. Faithful to our model, we cultivate human relationships and coordinate production with harvest seasons—just as it happens in nature. This modus operandi helped us to create a design tailored to evolving markets, and consolidating an organic, consistent set of corporate ethics that creates value and opportunity.

PENSILSOLE



PHOTOVOLTAICCARPORT

PENSTISOLE



The Pensilsole carport can be equipped with photovoltaic panels. It is an extremely versatile structure that can accommodate the client's desired panels. The design of Pensilsole respects a precise optimized static scheme that allows the carport to achieve high performance standards by using profiles of small cross section, achieving an elegant and optically minimal aesthetic result. Anchoringto the ground can be done through above-ground concrete ballasts that do not require the preparation of foundations, significantly decreasing the time and cost required for installation. Upon request, however, it is possible to install the structure through plates to be anchored to a foundation.

Pensilsole is also available with single cantilever type support, with the cantilever roof supported by steel pillars, attached to a foundation. Upon request, the aluminum carport can be customized by choosing from a wide range of colors and finishes. In particular, the warm-tone range and matt finish give Pensilsole a more refined look in harmony with natural elements, while the oven-treated thermoset polyester powder coating increases product quality and resistance to the wear and tear of time.



FEASONS TO CHOOSE GIULIO BARBIERI PENSILSOLE

1 COMPATIBILITY WITH ANY PHOTOVOLTAIC PANEL

Pensilsole is a carport adaptable to photovoltaic panels of any type and size on the market.

2 ADAPTABILITY

The structures are easily adaptable to new needs that may arise over time: since they are modular, it is always possible to attach and join a new canopy through a special system of gutters and downspouts; in addition, it is always possible to replace the photovoltaic panels with higher-performance models, even if they have different dimensions.

3 SNOW LOAD

The Pensilsole canopy is capable of supporting a snow load on the roof of 150 daN/m² in the maxi version and 120 daN/m² in the middle and cantilever versions.

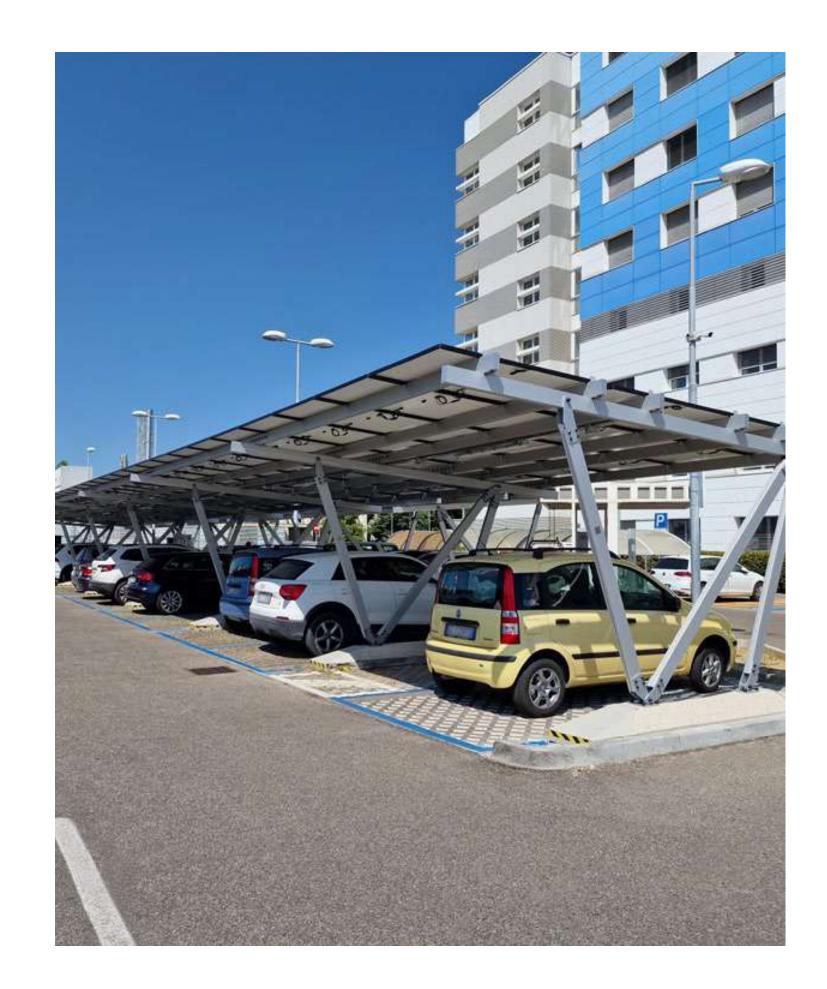
4 LIMITED MAINTENANCE

Maintenance of shelters and carports is limited to tightening screws and general cleaning on an annual basis, as the structure is made of anodized or thermosetting polyester powder coated aluminum profiles. Joints and structural nodes are made of surface-treated steel using a hot-dip galvanizing process and subsequent polyester powder surface coating.

Aluminum structures are a technological added value, which gives the structural deck strength, elasticity and durability: aluminum does not oxidize, and it is therefore possible to install sunroofs and carports even in dust-saturated atmospheres such as industrial ones or near wetlands or marine areas. At the end of its life, the product allows the transformation of profiles into scrap that will be melted down and processed into new products or profiles for industrial use.

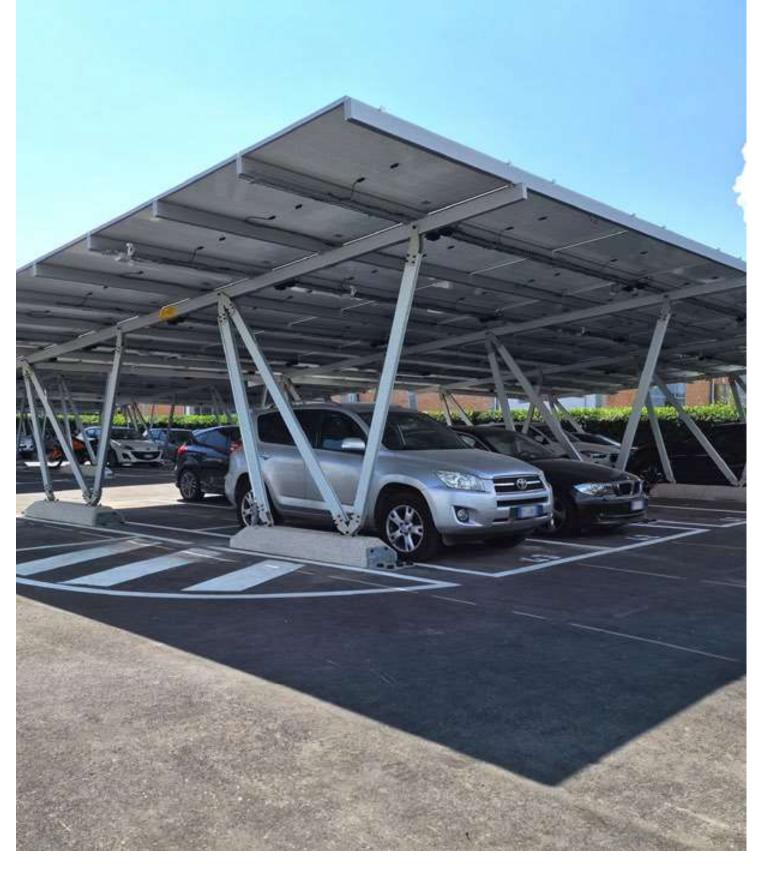
5 QUICK INSTALLATION TIME

Pensilsole and pensilauto are installed quickly, as the structural components are delivered preassembled. Quick attachment of PV panels on pensilsole is ensured by specific accessories that are included in the delivery. The load-bearing structures have reinforced concrete bases with a grit finish, so they do not require foundations: this means opening a construction site that is easy to set up and manage, a simplified permitting process, and no need for soil remediation work at the end of the system's life. Versions with steel plates to be attached to an existing or prepared foundation with appropriate excavation at the installation site are also available.









LOCATION Rimini, Italy CUSTOMER AUSL Colosseo MODEL Pensilsole Middle



LOCATION San Giorgio di Piano, Bologna, Italy

36

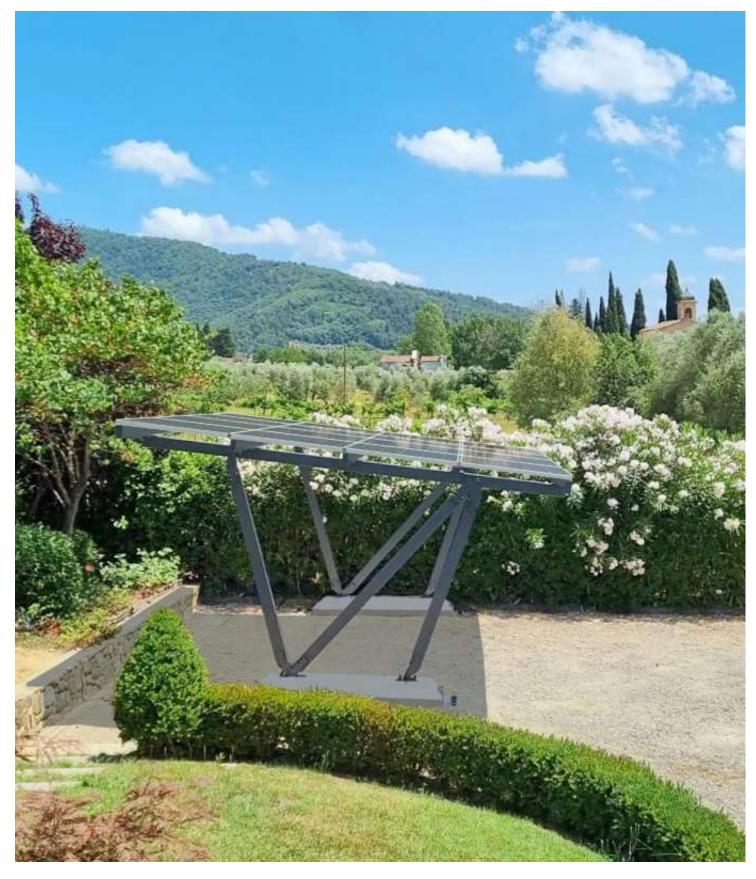
CUSTOMER Fornitek S.r.l. MODEL Pensilsole Maxi

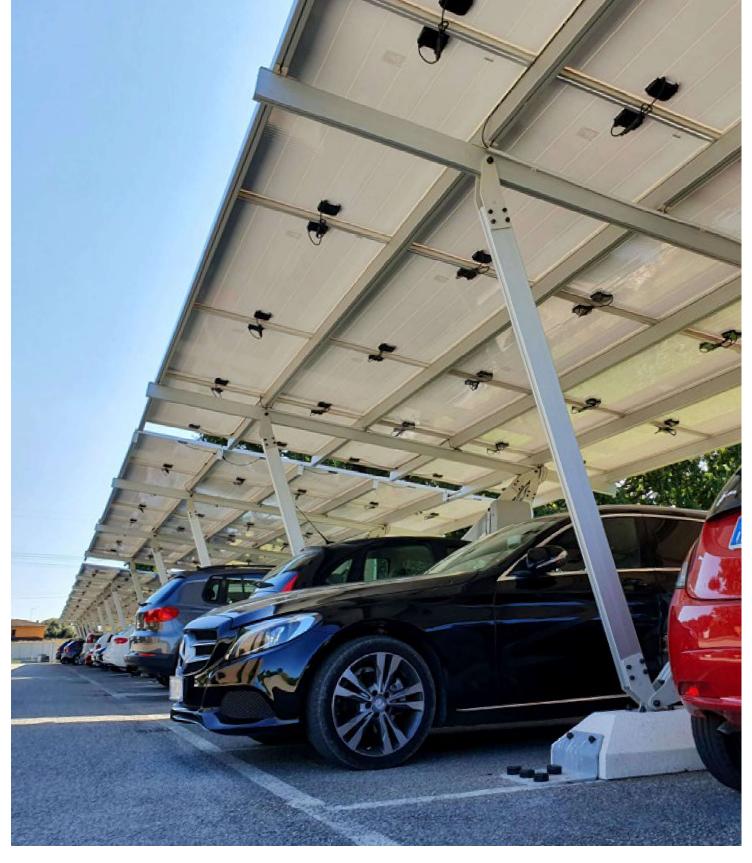




LOCATION Krems an der Donau, Austria



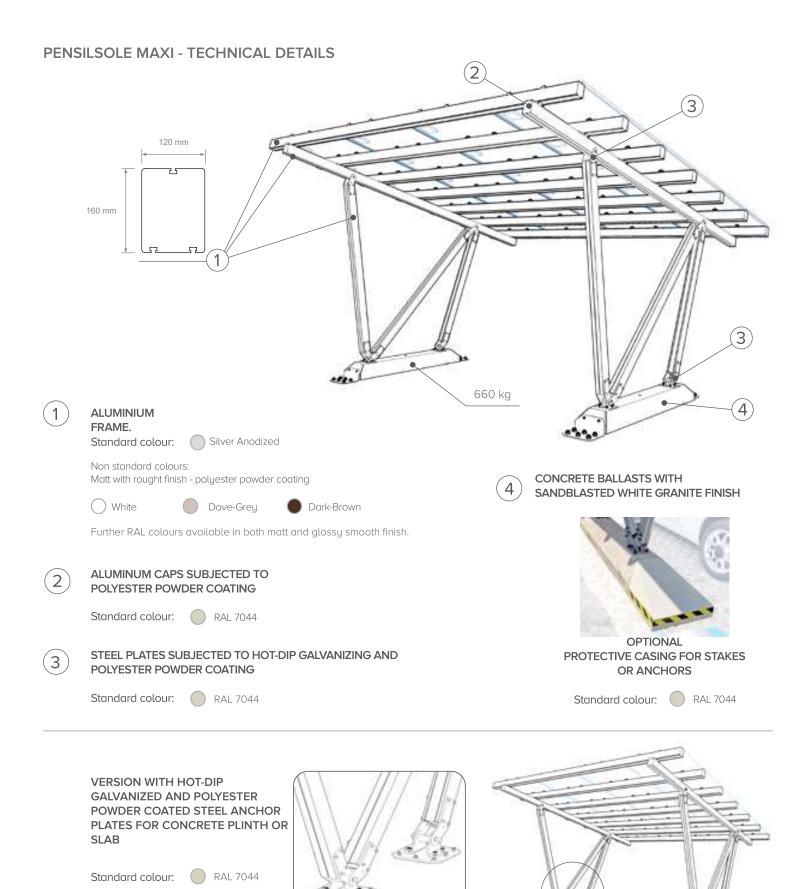


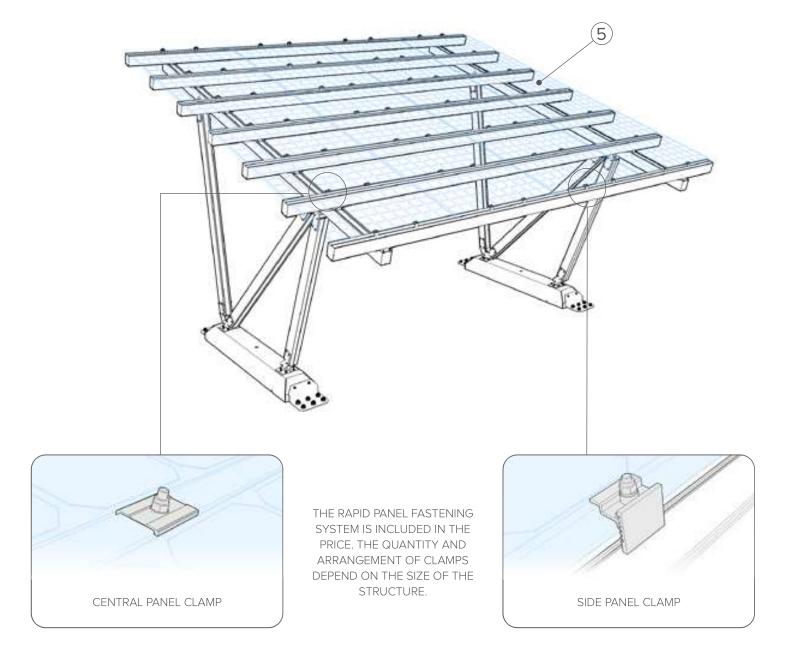


LOCATION Pistoia, Italy CUSTOMER Private house MODEL Pensilsole Middle LOCATION Pistoia, Italy CUSTOMER Indios Shoes S.r.l. MODEL Pensilsole Middle



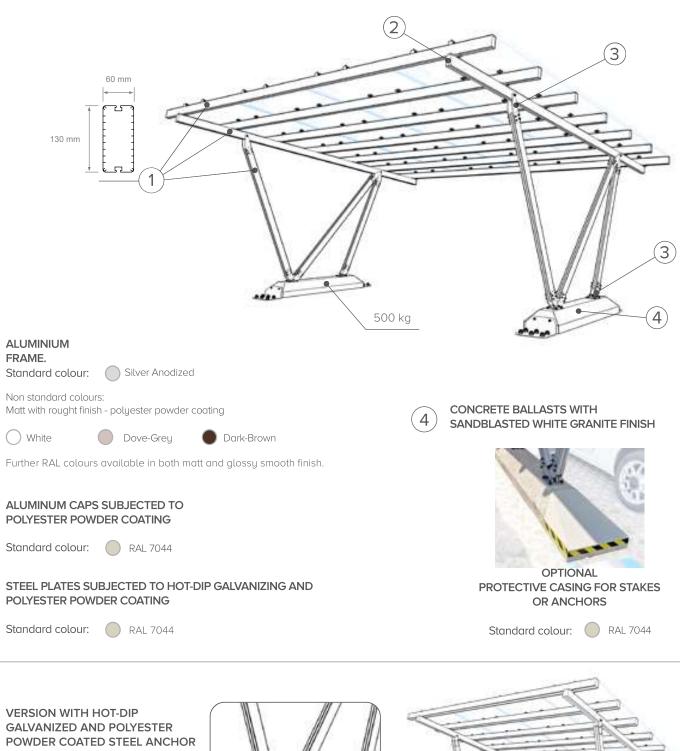






THE STRUCTURE SUPPORTS ANY MODEL AND SIZE OF SOLAR PANEL DUE TO ITS INTEGRATED QUICK FIXING SYSTEM. THE COMPANY DOES NOT SUPPLY SOLAR PANELS.

PENSILSOLE MIDDLE - TECHNICAL DETAILS

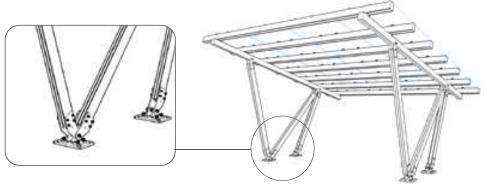


THE RAPID PANEL FASTENING SYSTEM IS INCLUDED IN THE PRICE. THE QUANTITY AND ARRANGEMENT OF CLAMPS DEPEND ON THE SIZE OF THE STRUCTURE. CENTRAL PANEL CLAMP SIDE PANEL CLAMP

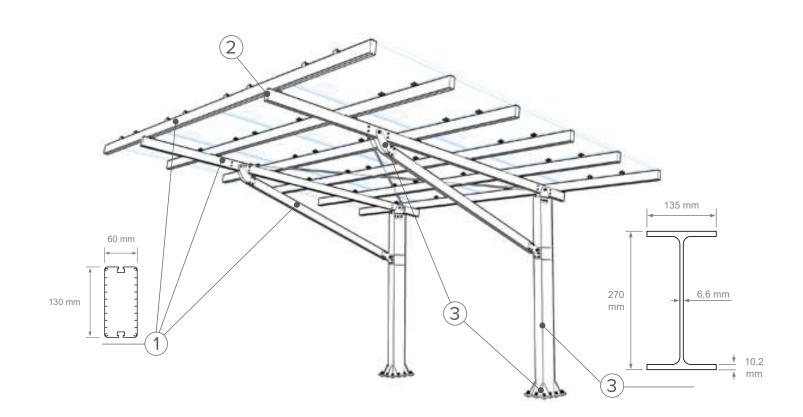
THE STRUCTURE SUPPORTS ANY MODEL AND SIZE OF SOLAR PANEL DUE TO ITS INTEGRATED QUICK FIXING SYSTEM. THE COMPANY DOES NOT SUPPLY SOLAR PANELS.

GALVANIZED AND POLYESTER POWDER COATED STEEL ANCHOR PLATES FOR CONCRETE PLINTH OR SLAB





PENSILSOLE CANTILEVER - TECHNICAL DETAILS



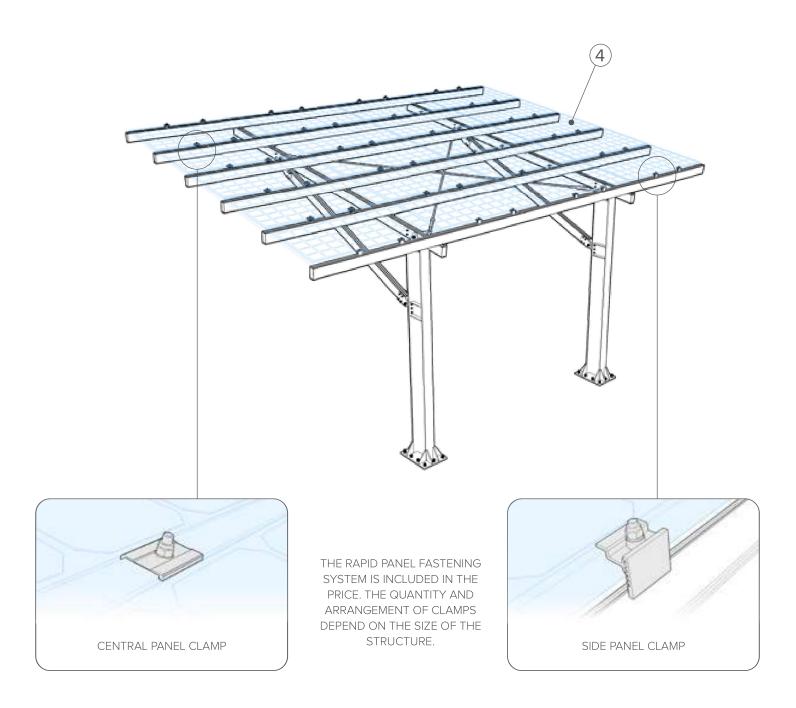


Standard colour: RAL 7044

STEEL PLATES SUBJECTED TO HOT-DIP GALVANIZING AND POLYESTER POWDER COATING

Standard colour: RAL 7044

ALUMINUM CAPS SUBJECTED TO



THE STRUCTURE SUPPORTS ANY MODEL AND SIZE OF SOLAR PANEL DUE TO THE INTEGRATED QUICK FIXING SYSTEM.
THE COMPANY DOES NOT SUPPLY THE SOLAR PANELS.

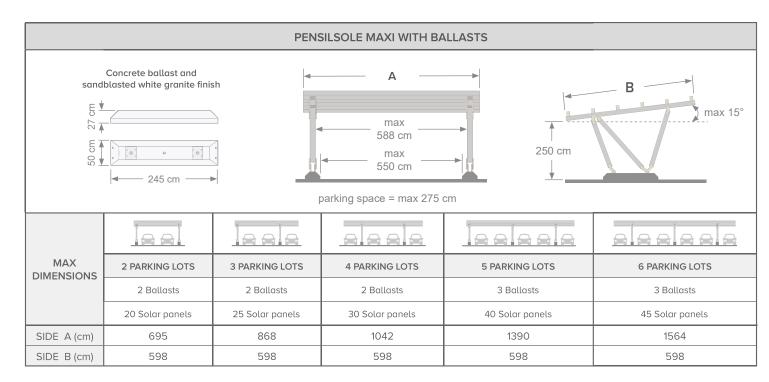
PENSILSOLE MAXI STRUCTURE DIMENSIONS

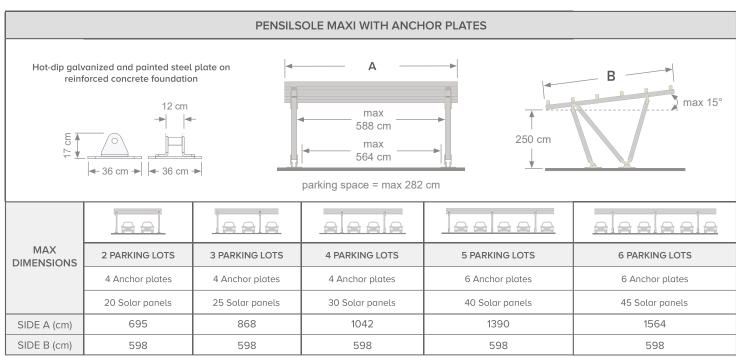






WIND RESISTANCE Terrain category III (Eurocode 1-4)





The dimensions of the structure can be tailored to meet customer's needs. The sizes on the table are based on a panel

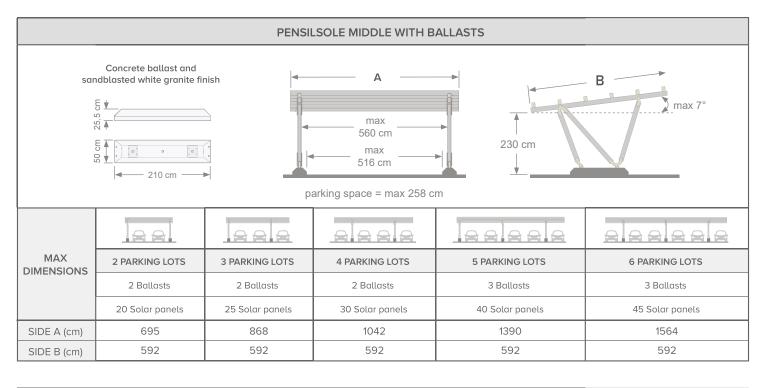
measuring 1722 mm × 1134 mm.. The structure with anchor plates requires a foundation system for anchoring to the ground.

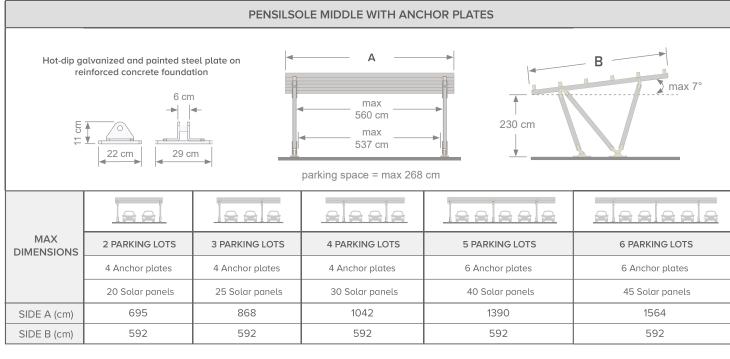
PENSILSOLE MIDDLE STRUCTURE DIMENSIONS





SNOW LOAD Snow action on the roof (Eurocode 1-3) WIND RESISTANCE
Terrain category III (Eurocode 1-4)





PENSILSOLE CANTILEVER STRUCTURE DIMENSIONS

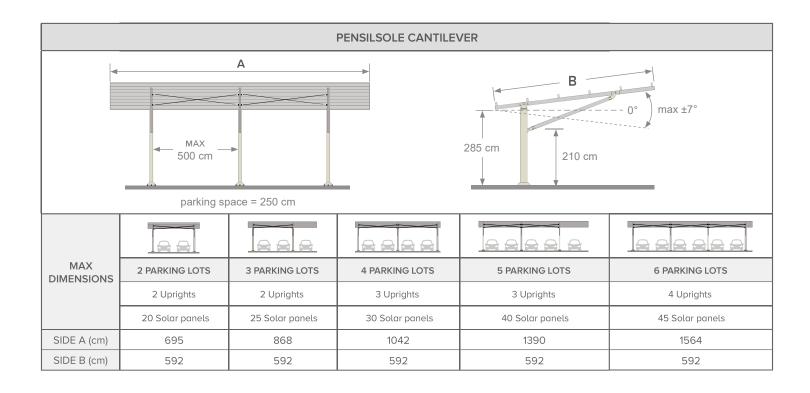






SNOW LOAD Snow action on the roof (Eurocode 1-3)

WIND RESISTANCE Terrain category III (Eurocode 1-4)



The dimensions of the structure can be tailored to meet customer's needs. The sizes on the table are based on a panel measuring 1722 mm × 1134 mm. The structure with anchor plates requires a foundation system for anchoring to the ground.

1-300-1-22-B



giuliobarbieri.it