



PENSILSOLE

The logo for PENSILSOLE features a stylized white icon of a solar panel canopy structure on the left, consisting of a rectangular panel supported by two angled legs. To the right of the icon, the word "PENSILSOLE" is written in a bold, white, italicized sans-serif font.

DESCRIPTION

SUPPORTING STRUCTURE FEATURES

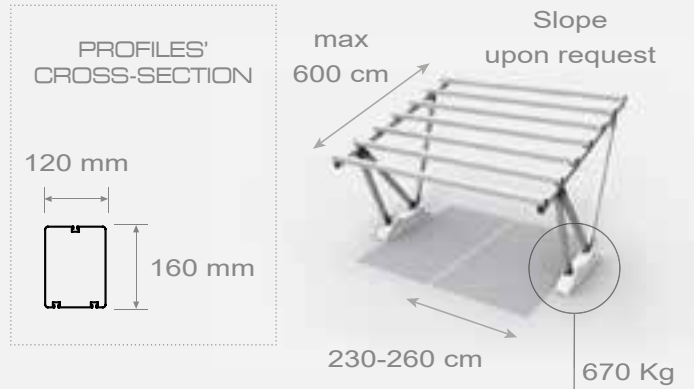
(We do not supply the photovoltaic panels)

- The structure supports any model and dimension of solar panel.
- The solar panel canopy can be fitted with guttering upon request.
- The structure is modular and suits car parks of any size.
- The support frame provides perfect static balance with high resistance to snow and wind loads. The structure comes with a structural analysis report and a 15-year guarantee.
- The structure comprises silver anodised aluminium profiles and steel joints that have been treated with cataphoresis and coated with polyester powder, a technique used by car manufacturers to protect the mechanical components set in the external lower part of cars.



Therefore the structure needs no maintenance.

- The structure successfully passed the load test undertaken, withstanding the maximum load required by the Static Calculations with no permanent deformation. Over 4 days, each purlin was examined; a 200 Kg weight was tied to its midpoint and to its edge, exerting maximum force on the structure joints.



COMBINED VERSION WITH 4 SUPPORTING WEIGHTS



GROUND ANCHORING



ANCHORING WITH CONCRETE WEIGHTS

Quick and easy installation without foundations, as the concrete ballasts provided are fixed to the ground with anchor bolts and pegs according to soil consistency.



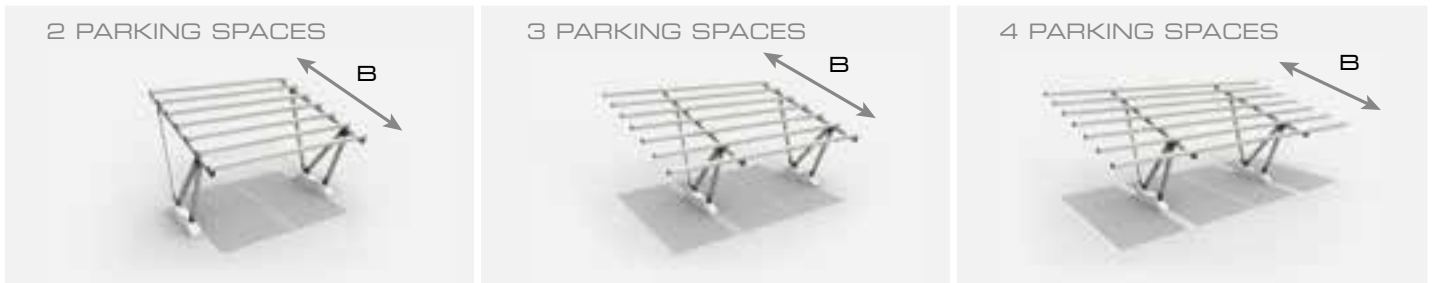
ANCHORING WITH PLATES FOR FIXING INTO CONCRETE SURFACES/PLINTHS

Quick installation with anchor bolts.

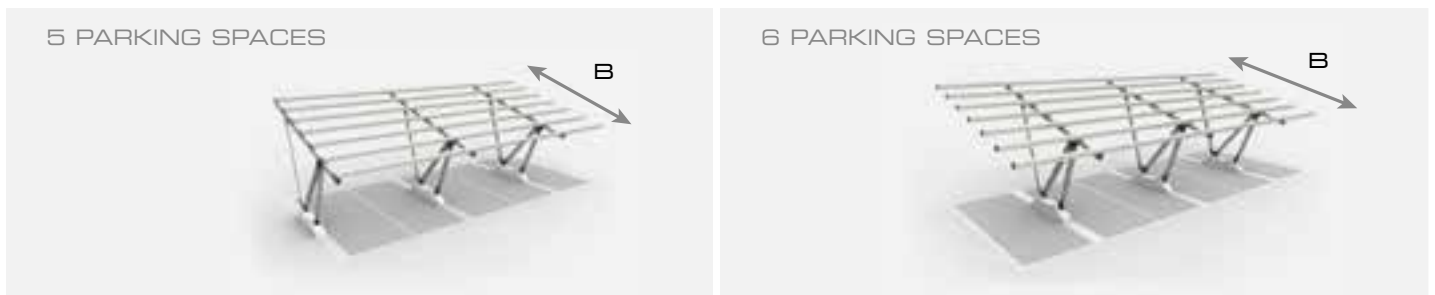
DIMENSIONS

A single "PensilAuto" structure is designed to cover long rows of parking spaces with purlins (B) with a maximum length of 600 cm.

Here are some example versions, with the number of solar panels which can be horizontally installed given.



B MAX	523 cm	522 cm	622 cm	522 cm	622 cm	522 cm	622 cm
PANELS *	18	20	24	25	30	30	36


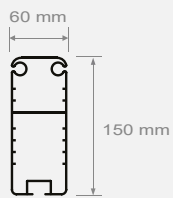

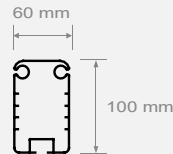

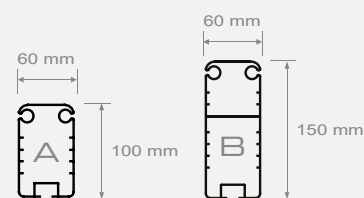


B MAX	522 cm	622 cm	522 cm	622 cm
PANELS *	40	48	50	60

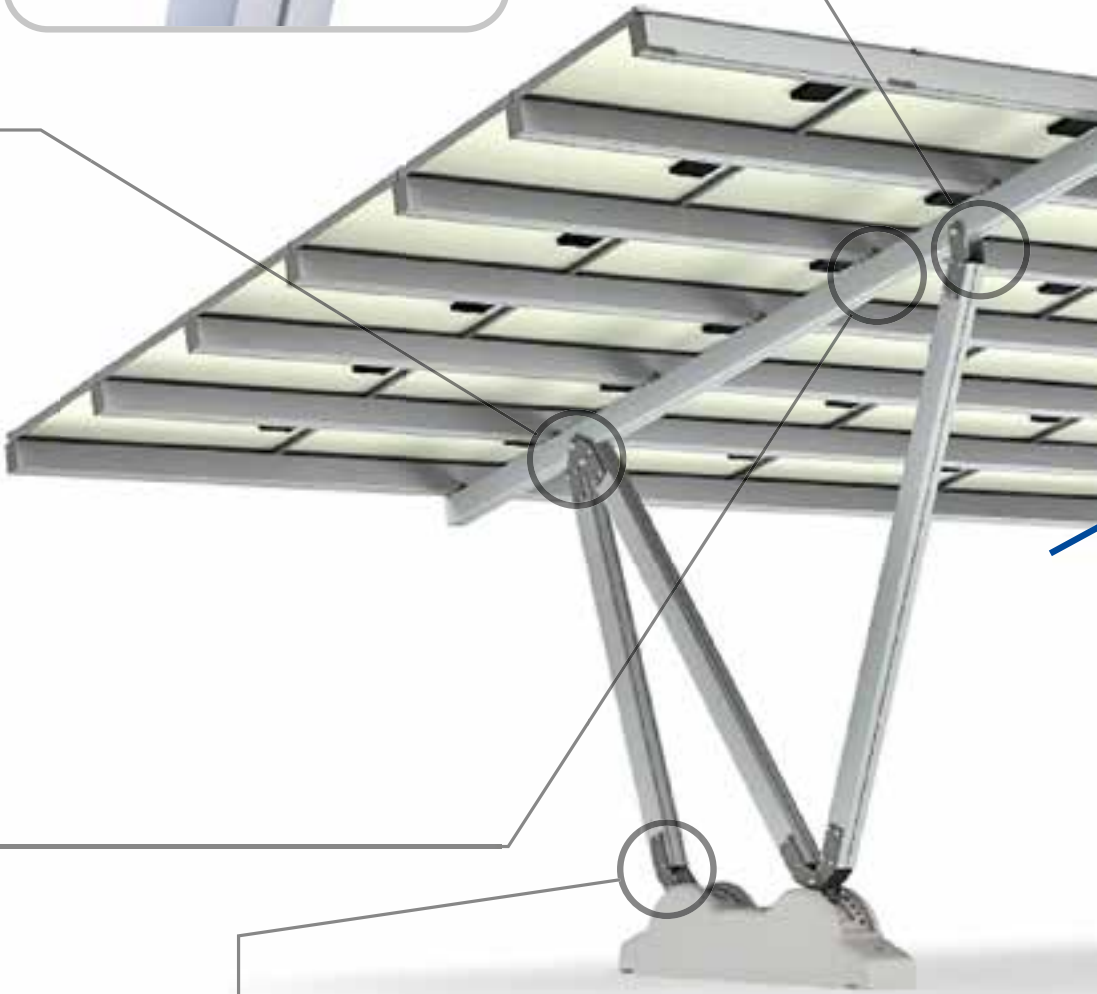
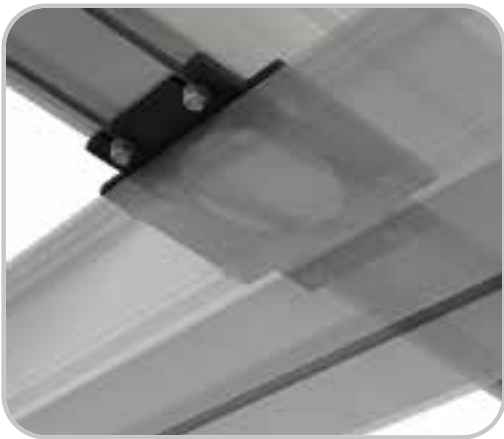
* The calculation refers to standard panel dimensions available on the market: 1660 mm x 990 mm.
The structure supports any model and dimension of solar panel and structure dimensions are custom made for the client.

OTHER AVAILABLE VERSIONS

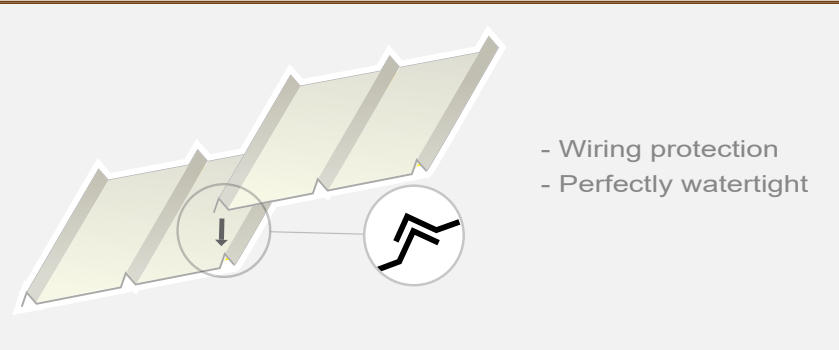


 <p>A = B</p> 	'LIGHT' VERSION (see page 184)	
	 <p>A = B</p> 	 

TECHNICAL DETAILS



OPTIONS: PROTECTIVE ENCLOSING SYSTEM MADE OUT OF POWDER-COATED SHEET METAL 



- Wiring protection
- Perfectly watertight



OPTIONS RIGID ADVERTISING BOARD 



Anchoring baseplate for reinforced concrete



Anchoring baseplate with 2 pegs for hard ground



Anchoring baseplate with 4 pegs for hard ground



Anchoring baseplate with 6 pegs for hard ground



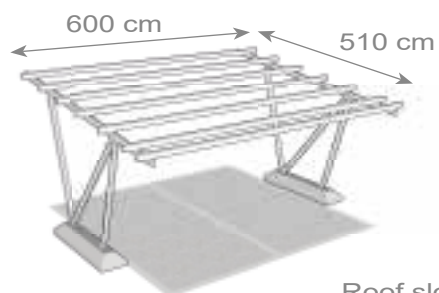
LIGHT **PENSILSOLE**

'PENSILSOLE' IS ALSO AVAILABLE IN THE "LIGHT" VERSION COVERING 2 PARKING SPACES WITH A LIGHTER DESIGN. THE OPTION WITH CONCRETE WEIGHTS ENSURES A QUICK ASSEMBLY WITH NO NEED OF GROUND ANCHORS. THE STRUCTURE SUPPORTS ANY MODEL AND DIMENSION OF SOLAR PANEL.
(We do not supply the photovoltaic panels)

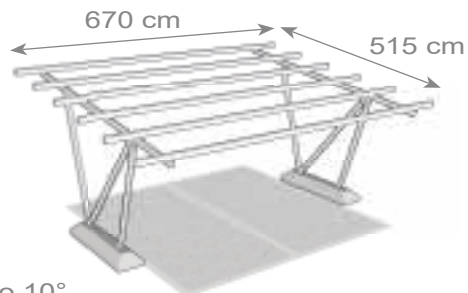


SIZES OF THE STRUCTURE

FOR 18 PANELS *
VERTICAL PANEL ARRANGEMENT



FOR 20 PANELS *
HORIZONTAL PANEL ARRANGEMENT



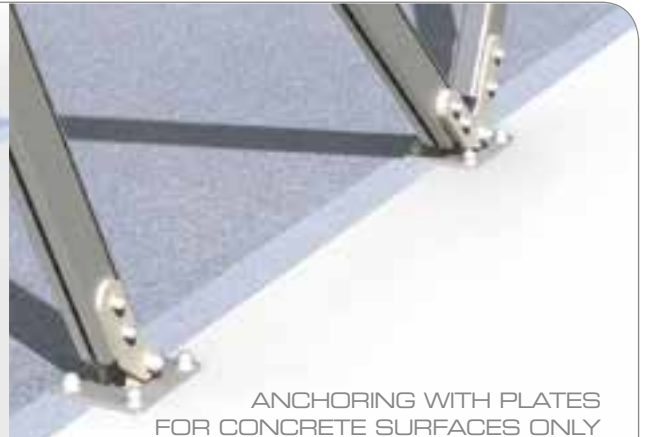
Roof slope: from 7° to 10°

* = The calculation refers to standard panel dimensions available on the market: 1660 mm x 990 mm.

FASTENING SYSTEM OF BEAM TO UPRIGHT



CONCRETE WEIGHTS
500 kg each



ANCHORING WITH PLATES
FOR CONCRETE SURFACES ONLY
Quick installation with anchor bolts.





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