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Technical Data Sheet
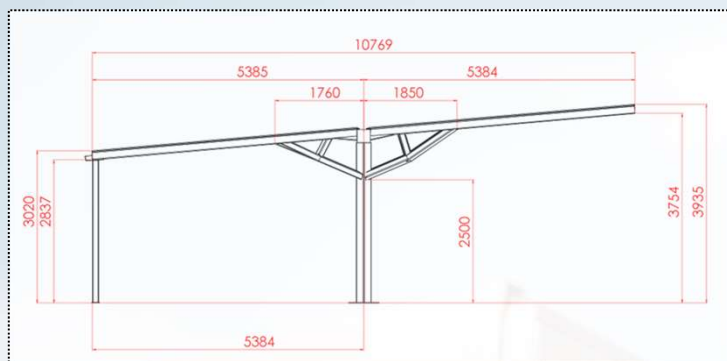
Carport design

Design	Modular prefabricated steel structure with solar panels bonded to steel frames, allowing for fast on-site installation.
Slope	5°
Orientation	„T" Shaped roof is suitable for southern orientation
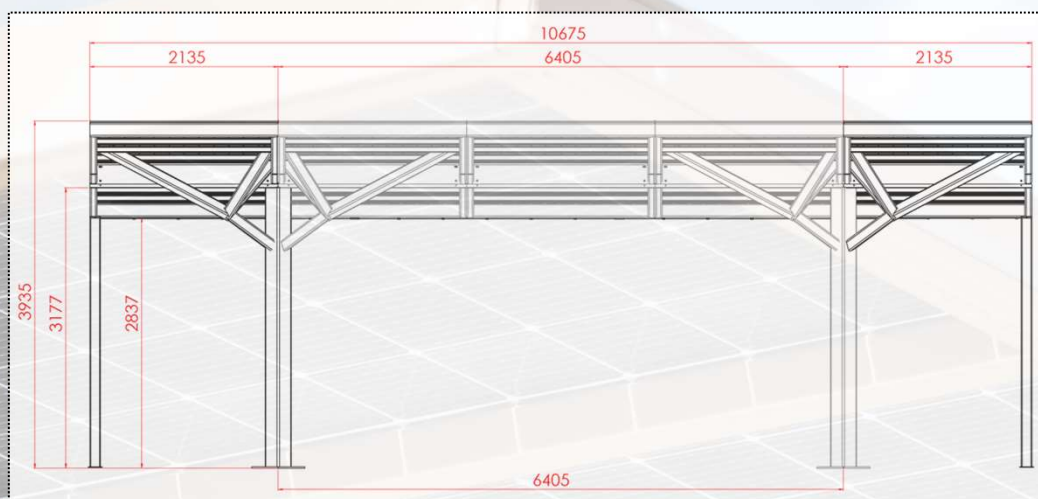
Carport construction

Fabrication	In compliance with EN 1090-2 (EXC2) standard Welding test for all parts Solar panels bonded on the metal frame and stringed together Panel bonding material Sikasil SG-500 Panel sealing material Sikasil WS-605 S Bolts and connections material class 8.8 galvanized
Surface treatment	Painting of all parts in any RAL color Sandblasting prior to painting: Sa 2 ½ Hot-dip galvanizing for water-contact parts according to EN ISO 1461 Base coat 60 - 80 microns Top coat 60 - 80 microns
Wind load	26 m/s
Snow load	0,55 kN/m²

Solar panels

PV panel type	Agora Solar AG-B72-450 Wp
Solar Cell	Bi-Facial 9BB
Power	205 Wp / m2
Module Efficiency	20,5%
Transparency	12%
Fire Safety Glass	Class C
Certification	EN 12600 Certified double glass for overhead mounting, Made in EU

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