

PRODUCT CATALOGUE

Solar Carport Mounting Systems

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CONFIGURATION

Our solar carport system features hybrid, grid-tied and off-grid connectivity options, and we supply a integral system to meet all project requirements.



Structure



Solar Panels



Inverters

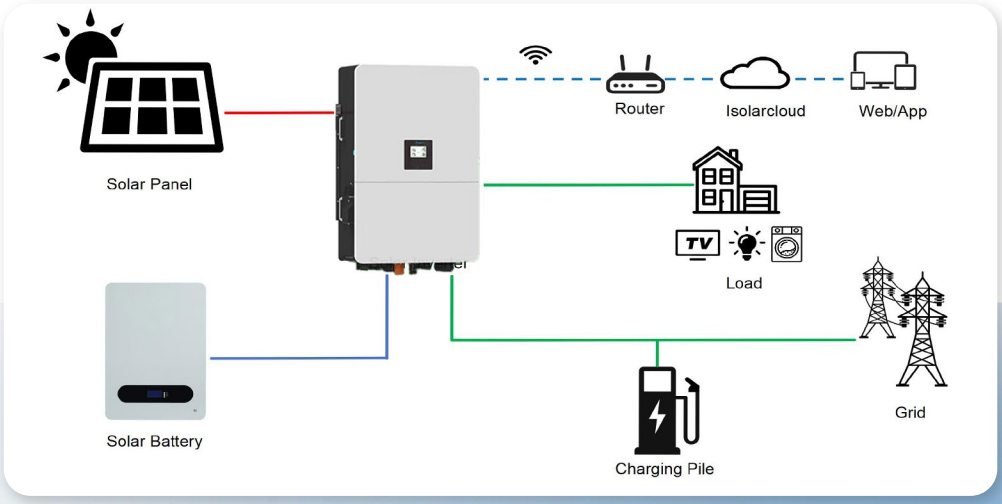


Battery (optional)



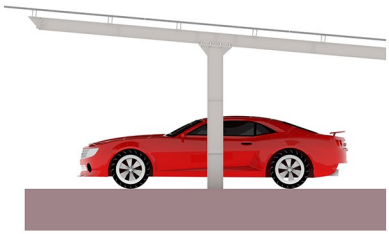
Cables & Connectors

WORKFLOW





T TYPE SOLAR CARPORT SYSTEM





Longitudinal Beam



Column



Plate



Nut

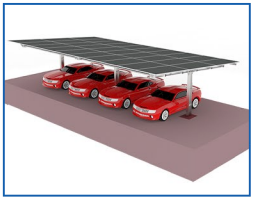


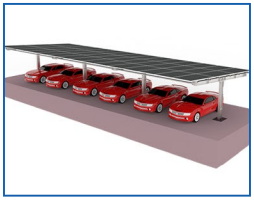
Anchor Bolt

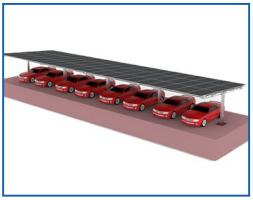


U Bolt









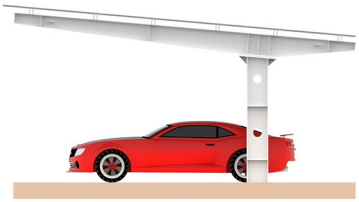
ITEM	2-Parking-Space	4-Parking-Space	6-Parking-Space	8-Parking-Space
Wind Load & Snow Load	50m/s & 0kN/m^2			
Tilt Angle	5 degrees			
Structure Material	Q355B(HDG/Spray) / ZAM Steel			
Weight	1146kg	2080kg	2810kg	3580kg
Dimension	5.9*6.8m	11.5*6.8m	16*6.8m	21.8*6.8m
Suggested Config				
Solar Panel Power	580~650W(Single Dimension:2278*1134mm)			
Number of Modules	15pcs	30pcs	42pcs	57pcs
Inverter	11000W	11000W*2	11000W*3	11000W*4
Rated voltage	220VAC/single-phase			

APPLICATION SCENARIOS

- Industrial parks / commercial malls
- Office campuses / hospitals / universities
- Logistics depots
- Public EV charging hubs



I TYPE SOLAR CARPORT SYSTEM





Longitudinal Beam



Purline



Connector



Column

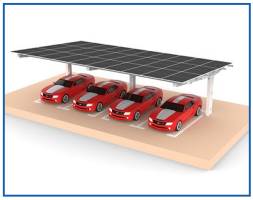


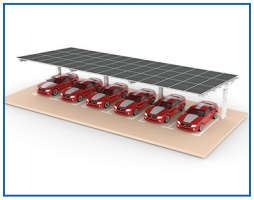
Plate

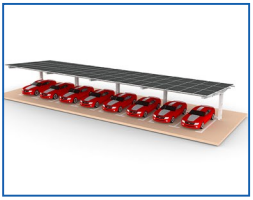


PV Clamp









ITEM	2-Parking-Space	4-Parking-Space	6-Parking-Space	8-Parking-Space
Wind Load &		40m/s & 0kN/m²	50m/s & 0kN/m²	
Snow Load		25m/s & 0.6kN/m²	40m/s & 1.5kN/m²	
Tilt Angle		5 degrees		
Structure Material		Q355B(HDG/Spray) / ZAM Steel		
Weight	1270kg	2080kg	2810kg	3580kg
Dimension	5.9*6.8m	11.5*6.8m	16*6.8m	21.8*6.8m
Suggested Config				
Solar Panel Power		580~650W(Single Dimension:2278*1134mm)		
Number of Modules	15pcs	30pcs	42pcs	57pcs
Inverter	11000W	11000W*2	11000W*3	11000W*4
Rated voltage		220VAC/single-phase		

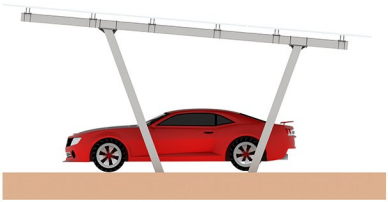
APPLICATION SCENARIOS

- Parking lots
- EV charging stations
- Industrial parks
- Residential communities



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V-TYPE SOLAR CARPORT(TWO-COLUMN)





Column



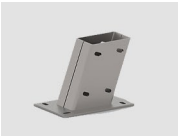
Purline



Connector



Welded Plate



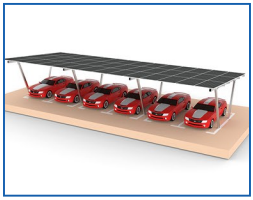
Welded Plate

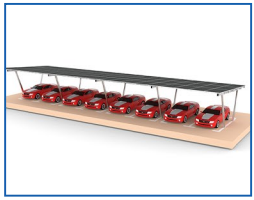


U Bolt









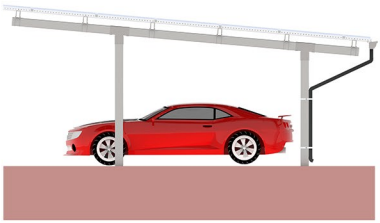
ITEM	2-Parking-Space	4-Parking-Space	6-Parking-Space	8-Parking-Space
Wind Load &	40m/s & 0kN/m²			
Snow Load	40m/s & 1.5kN/m²			
Tilt Angle	5 degrees			
Structure Material	ZAM Steel			
Weight	610kg	1030kg	1420kg	1850kg
Dimension	5.9*6.8m	11.5*6.8m	16*6.8m	21.8*6.8m
Suggested Config				
Solar Panel Power	580~650W(Single Dimension:2278*1134mm)			
Number of Modules	15pcs	30pcs	42pcs	57pcs
Inverter	11000W	11000W*2	11000W*3	11000W*4
Rated voltage	220VAC/single-phase			

APPLICATION SCENARIOS

- Commercial Parking Lots
- Industrial & Business Parks
- Residential Communities
- EV Charging Stations



II TYPE SOLAR CARPORT SYSTEM





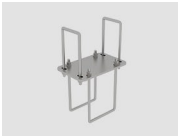
Column



Purline



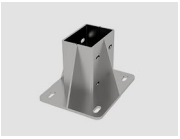
Plate



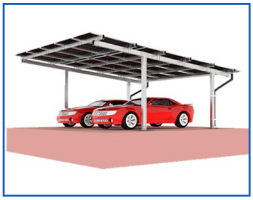
Fixed Purlin Kit



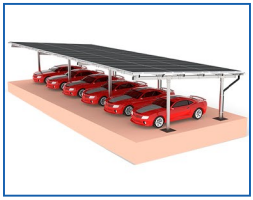
Welded Plate

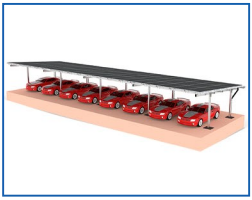


Welded Base









ITEM	2-Parking-Space	4-Parking-Space	6-Parking-Space	8-Parking-Space
Wind Load & Snow Load	50m/s & 0kN/m^2			
Tilt Angle	5 degrees			
Structure Material	Q355B(HDG/Spray) / ZAM Steel			
Weight	1013kg	1678kg	2203kg	2768kg
Dimension	5.9*6.8m	11.5*6.8m	16*6.8m	21.8*6.8m
Suggested Config				
Solar Panel Power	580~650W(Single Dimension:2278*1134mm)			
Number of Modules	15pcs	30pcs	42pcs	57pcs
Inverter	11000W	11000W*2	11000W*3	11000W*4
Rated voltage	220VAC/single-phase			

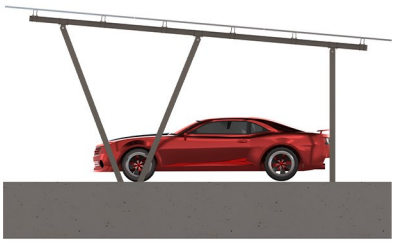
APPLICATION SCENARIOS

- Residential communities
- Hotels / resorts
- Small EV charging stations
- Private multi-car garages



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N-TYPE SOLAR CARPORT(THREE-COLUMN)

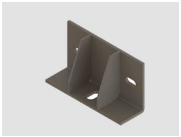



Column


Purline


Connector


PV Clamp


Plate


U Bolt









ITEM	2-Parking-Space	4-Parking-Space	6-Parking-Space	8-Parking-Space
Wind Load &		40m/s & 0kN/m²	50m/s & 0kN/m²	
Snow Load		25m/s & 0.6kN/m²	40m/s & 1.5kN/m²	
Tilt Angle		5 degrees		
Structure Material		ZAM Steel		
Weight	580kg	990kg	1360kg	1780kg
Dimension	5.9*6.8m	11.5*6.8m	16*6.8m	21.8*6.8m
Suggested Config				
Solar Panel Power		580~650W(Single Dimension:2278*1134mm)		
Number of Modules	15pcs	30pcs	42pcs	57pcs
Inverter	11000W	11000W*2	11000W*3	11000W*4
Rated voltage		220VAC/single-phase		

APPLICATION SCENARIOS

- Commercial applications
- Industrial applications
- Public applications
- Residential applications



W-TYPE SOLAR CARPORT(FOUR-COLUMN)





Column



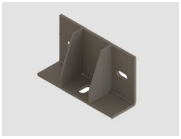
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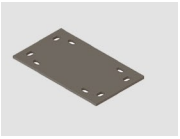
Connector



PV Clamp



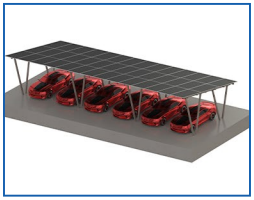
Plate

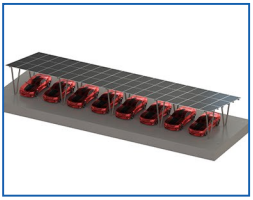


Fixing Plate









ITEM	2-Parking-Space	4-Parking-Space	6-Parking-Space	8-Parking-Space
Wind Load &		40m/s & 0kN/m²	50m/s & 0kN/m²	
Snow Load		25m/s & 0.6kN/m²	40m/s & 1.5kN/m²	
Tilt Angle		5 degrees		
Structure Material		ZAM Steel		
Weight	590kg	1010kg	1380kg	1800kg
Dimension	5.9*6.8m	11.5*6.8m	16*6.8m	21.8*6.8m
Suggested Config				
Solar Panel Power		580~650W(Single Dimension:2278*1134mm)		
Number of Modules	15pcs	30pcs	42pcs	57pcs
Inverter	11000W	11000W*2	11000W*3	11000W*4
Rated voltage		220VAC/single-phase		

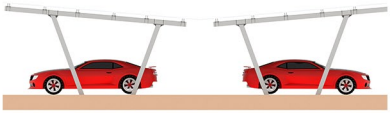
APPLICATION SCENARIOS

- Industrial and commercial parks
- Highway service areas
- Commercial complexes parking areas
- Logistics parks & bus stations for heavy vehicles



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VV TYPE SOLAR CARPORT MOUNTING




Longitudinal Beam

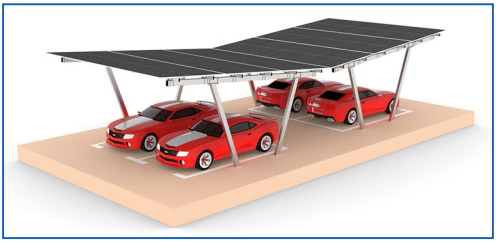

Purline

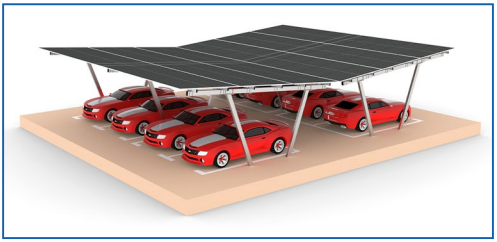

Connector


Welded Plate


Welded Plate


PV Clamp





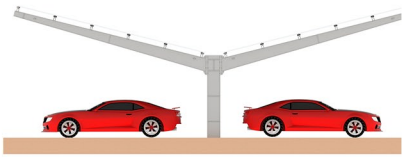
ITEM	2x2-Parking-Space	4x2-Parking-Space
Wind Load & Snow Load	40m/s & 1.5kN/m^2	
Tilt Angle	5 degrees	
Structure Material	ZAM Steel	
Weight	1400kg	2420kg
Dimension	5.9*13.8m	11.5*13.8m
Suggested Config		
Solar Panel Power	580~650W(Single Dimension:2278*1134mm)	
Number of Modules	30pcs	60pcs
Inverter	11000W*2	11000W*4
Rated voltage	220VAC/single-phase	

APPLICATION SCENARIOS

- Commercial Buildings & Office Parks
- Public Institution Premises
- Logistics & Transportation Hubs
- Factory & Industrial Park Parking Lots



Y TYPE SOLAR CARPORT MOUNTING

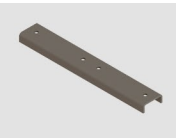




Longitudinal Beam



Purline



Connector



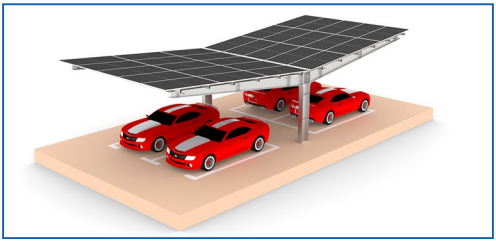
Column



Plate



PV Clamp





ITEM	2x2-Parking-Space	4x2-Parking-Space
Wind Load &	40m/s & 0kN/m²	50m/s & 0kN/m²
Snow Load	25m/s & 0.6kN/m²	40m/s & 1.5kN/m²
Tilt Angle	5 degrees	
Structure Material	Q355B(HDG/Spray) / ZAM Steel	
Weight	2890kg	4670kg
Dimension	5.9*13.8m	11.5*13.8m
Suggested Config		
Solar Panel Power	580~650W(Single Dimension:2278*1134mm)	
Number of Modules	30pcs	60pcs
Inverter	11000W*2	11000W*4
Rated voltage	220VAC/single-phase	

APPLICATION SCENARIOS

- Industrial & Commercial Parks
- Residential Communities
- Public & Municipal Facilities
- Commercial & Transportation Hubs



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