



Solar Carports
Steel Constructions

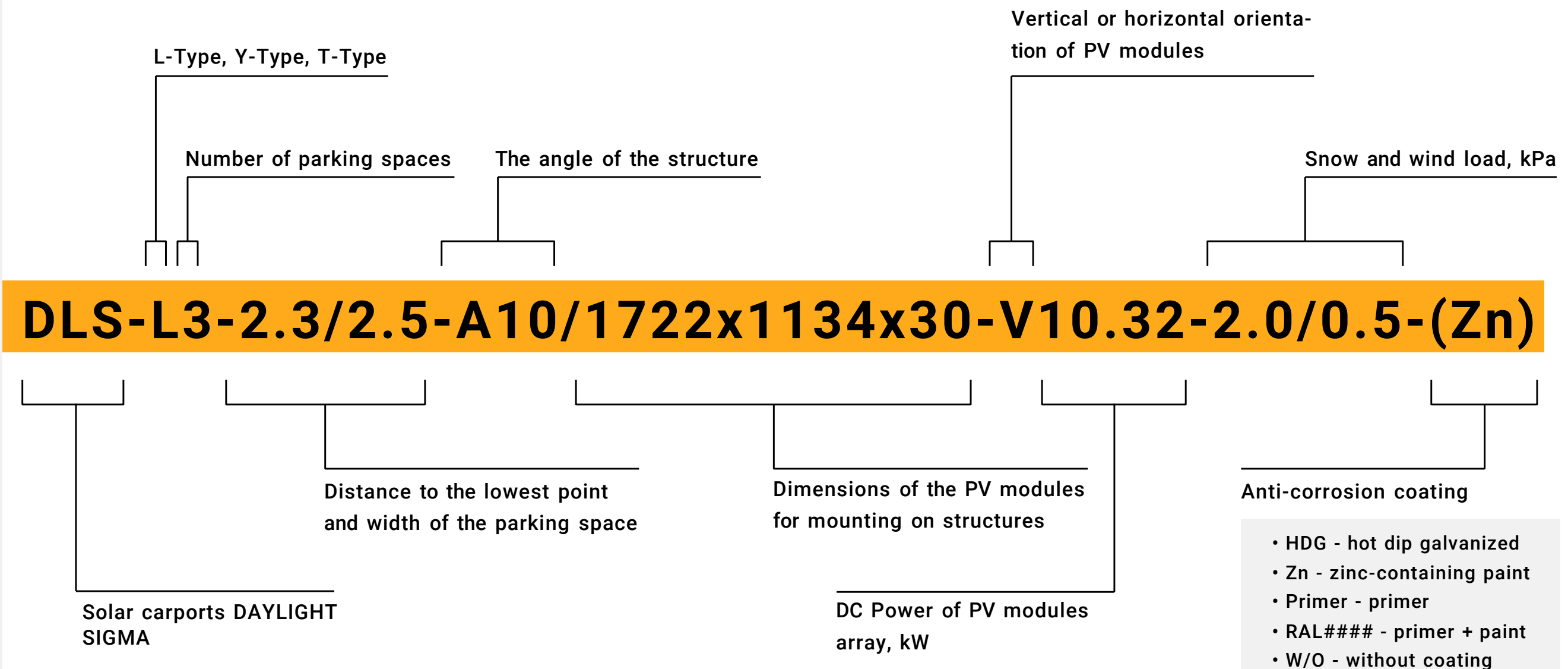
MODEL DAYLIGHT SIGMA SOLAR CARPORT

DESIGN
PRODUCTION
INSTALLATION

Altek Europe
creates sustainable solutions
for your business



SOLAR CARPORT DAYLIGHT SIGMA MODEL TYPES



L
type



For parking lots placed along walls and fences

T
type



"South" design with peak generation at midday

Y
type



"East – West" designed for balanced generation throughout the day

Model DAYLIGHT
SIGMA

Construction type:
Y-Type (two rows)

Multiples of 6 parking spaces

3,18 kW

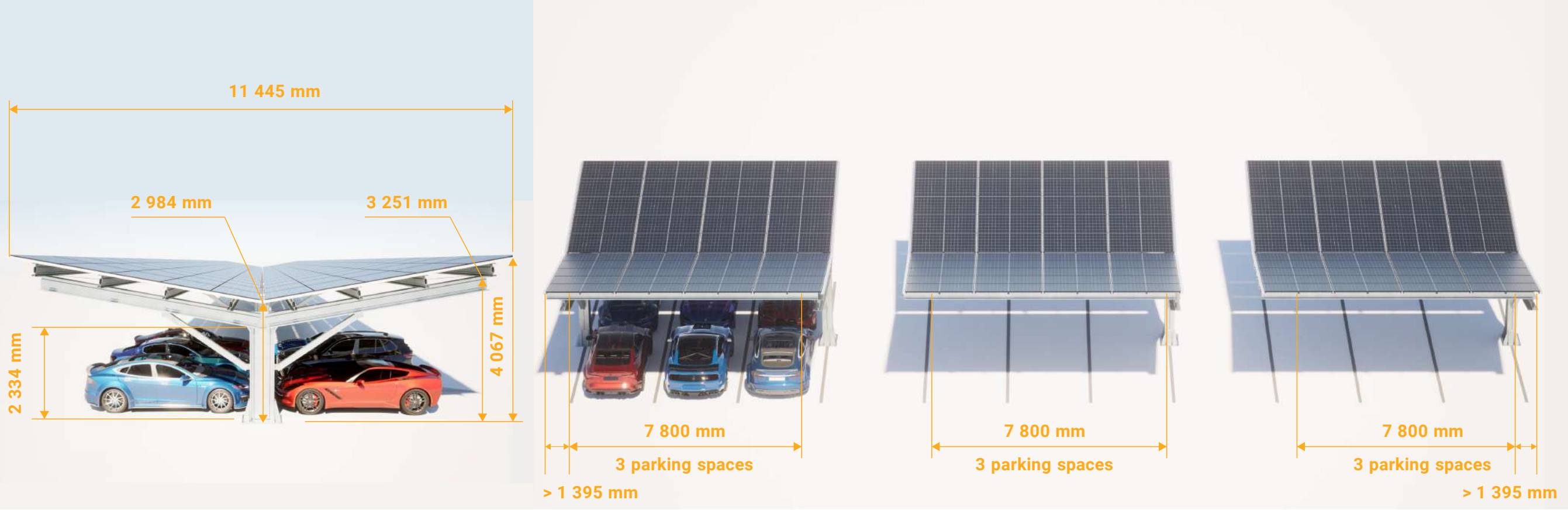
average capacity
per 1 parking space

38

number of modules
for 6 parking space

10

years
warranty



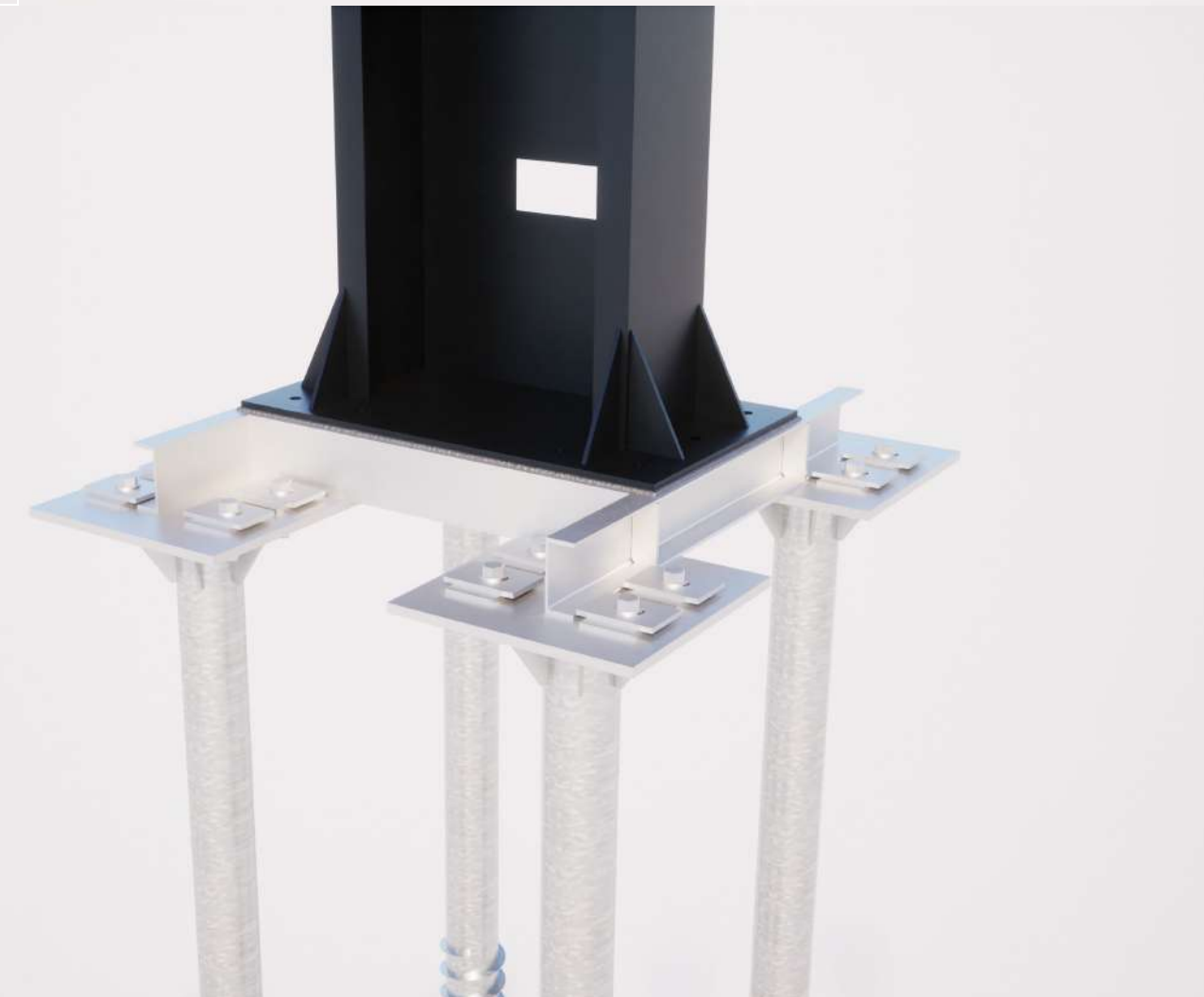
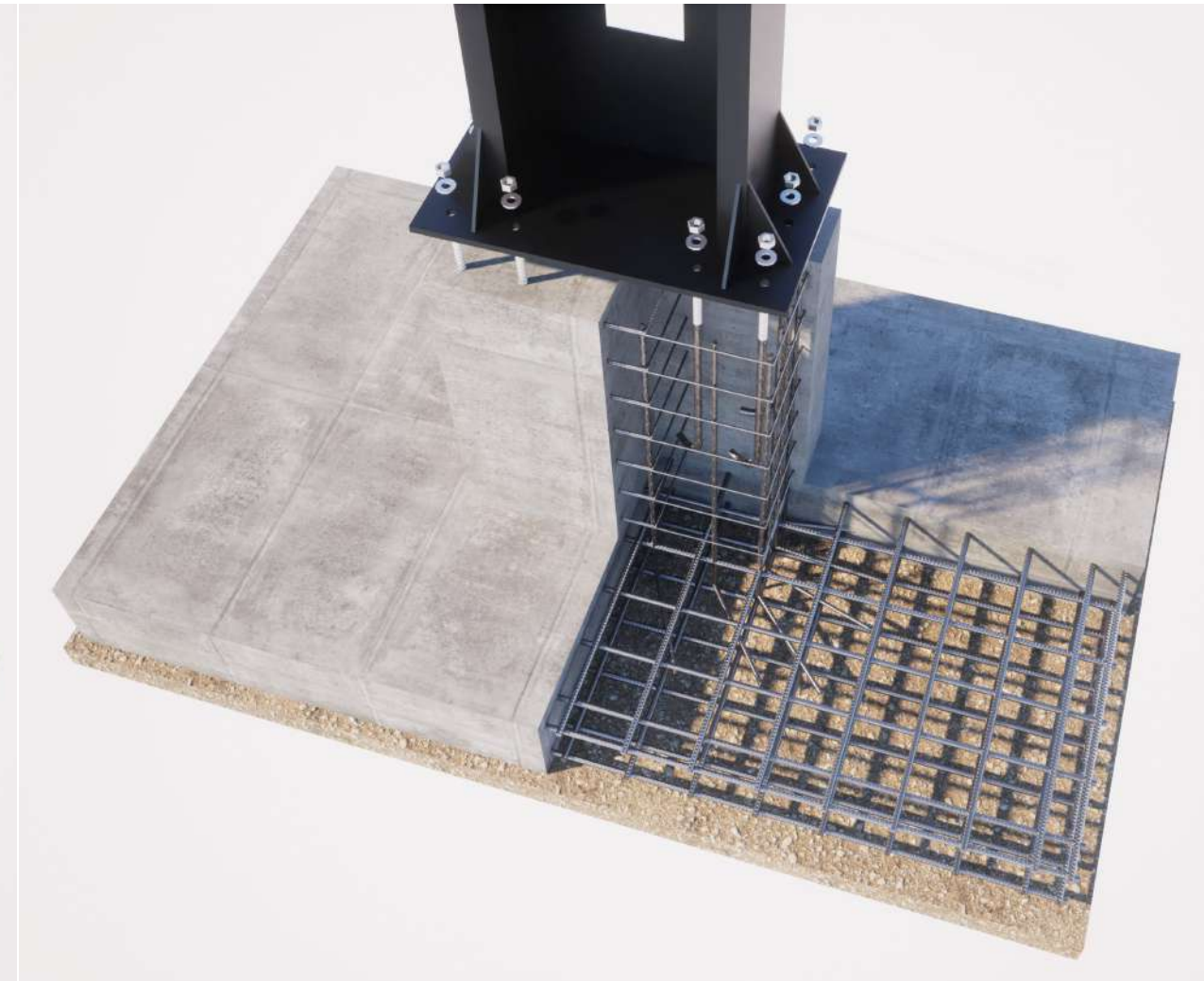
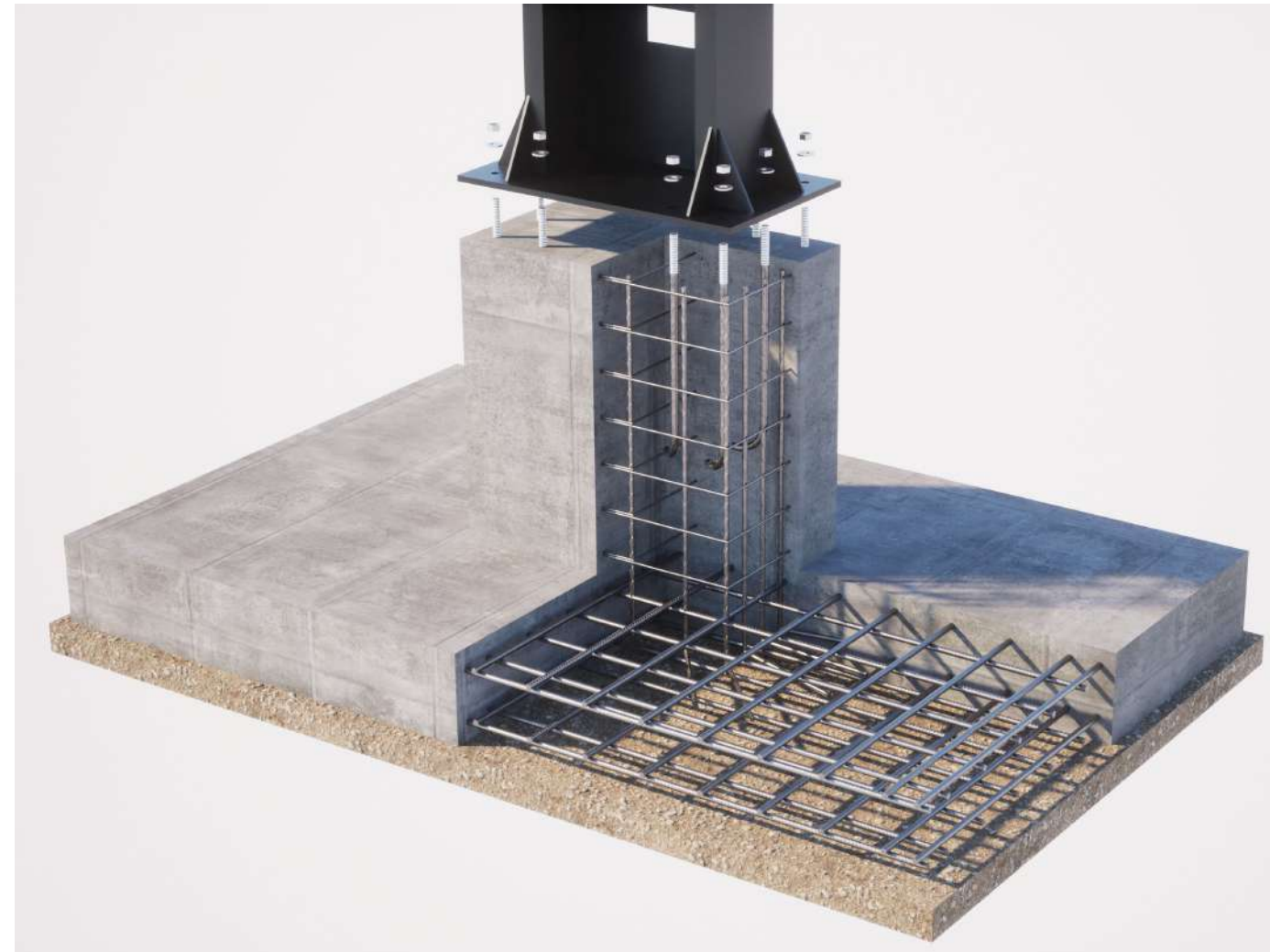
Structural Paremeters

PV dimensions	2094 x 1134 x 35 mm
PV layout	Horizontal 5 rows
Tilt angle	10°
Width of the parking space	2 600 mm / 5 300 mm
Snow load, wind load	Snow: 2,0 kPa / Wind: 0,5 kPa
Service life	25 years
Water proof	✓
Inverter mount	✓
Structure elements	Consoles - S350+Z275 (Z600) + S355+HDG; Columns - S350+Z275 (Z600) + S235+HDG; Beams - S350+Z275 (Z600) + anodized aluminum
Hardware group	Stainless steel or DELTA, GEOMET, FLAKE ZINK
PV module fixing hardware	Stainless steel or DELTA, GEOMET, FLAKE ZINK
OPTIONALS	Foundation on ground screws
	Foundation for concreting
	Waterproofing and water drainage
	Lighting
	Vehicle impact protection
	Powder coatings RAL XXXX
	Designing a structure for a higher loads

BASEMENT SOLUTIONS

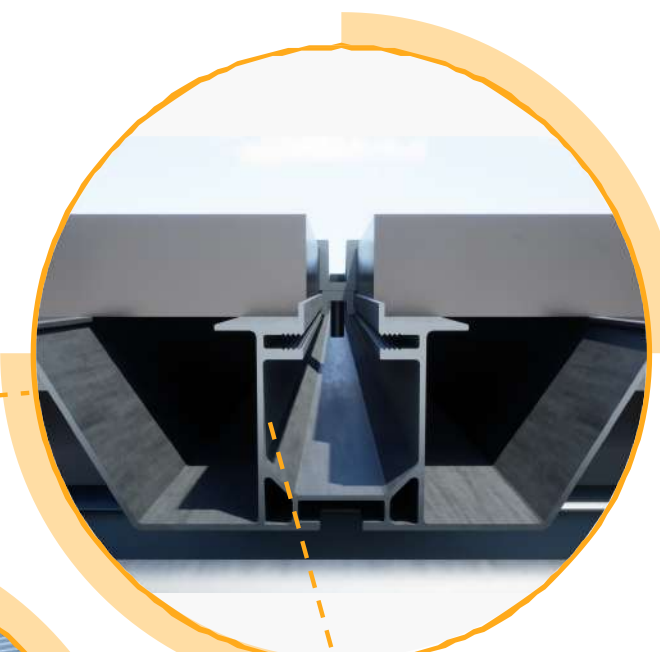
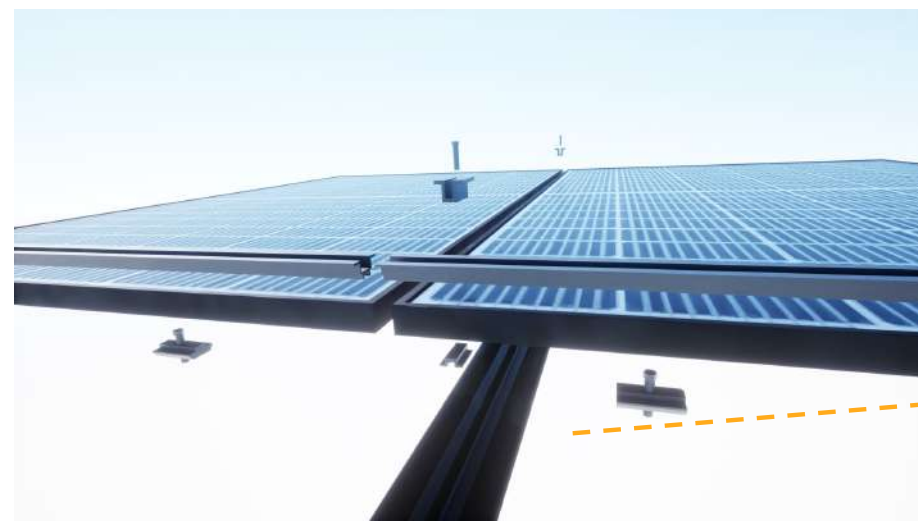
FOUNDATION TYPES:

- reinforced concrete foundation
- ground screws combined with concrete



WATER PROTECTION

- along vertical gaps with anodized aluminum W 157x55 profiles
- along horizontal gaps with anodized aluminum Omega 37x20 profiles with a silicone seal



Water drainage
profile W 157x55



Omega 37x20 profiles with a silicone seal

PV FASTENING

are mounted
on the water drainage profile



CONTACTS

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CERTIFICATES

ISO 9001:2015

certification

**EN 1090-1:2012
EN 1090-2:2018**

DIN EN ISO 3834-3

