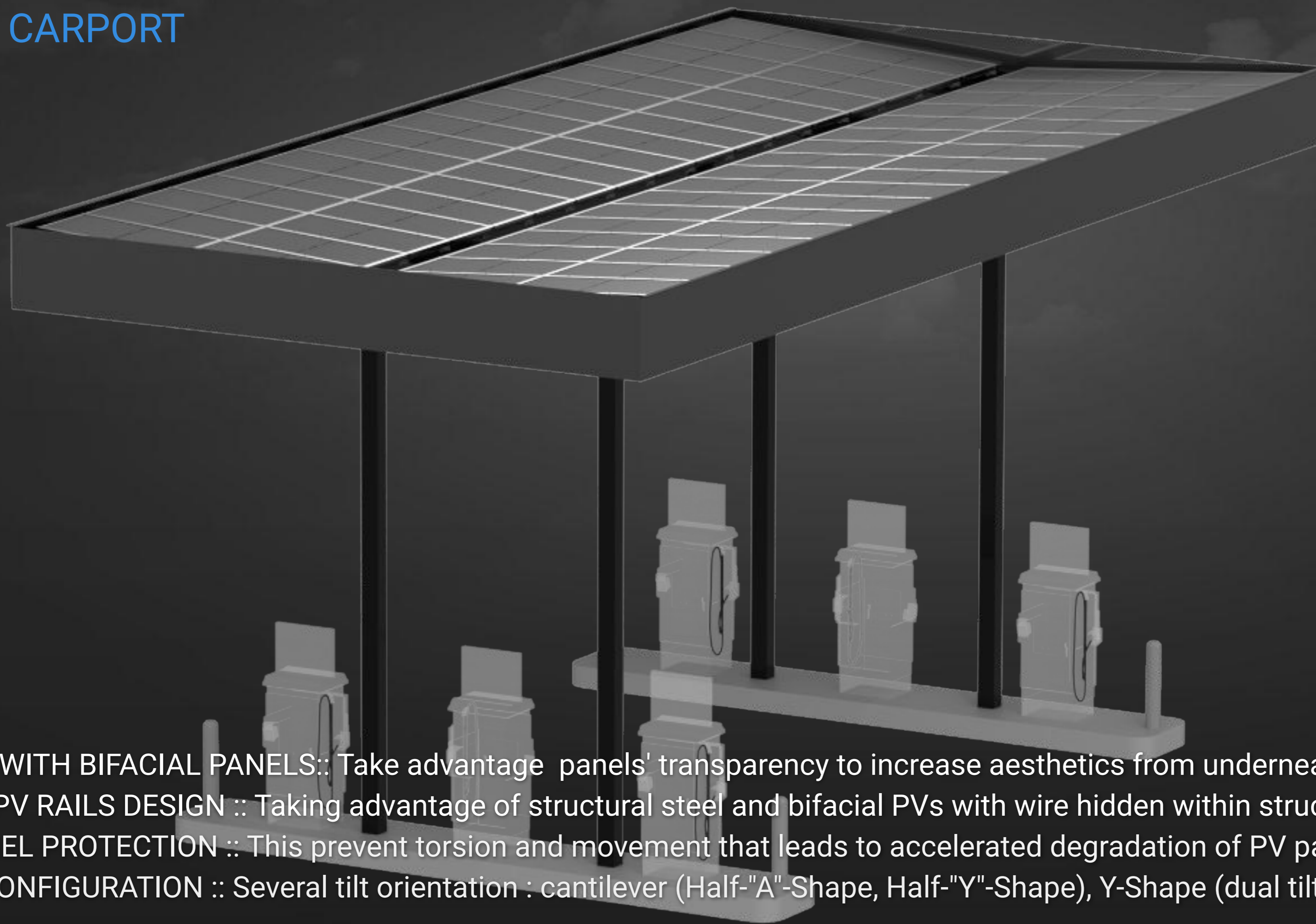


SUNPARK™ STATION

REST AREA CARPORT



BENEFITS

- ✓ IDEAL LOOK WITH BIFACIAL PANELS :: Take advantage panels' transparency to increase aesthetics from underneath
- ✓ ALUMINUM PV RAILS DESIGN :: Taking advantage of structural steel and bifacial PVs with wire hidden within structure
- ✓ BETTER PANEL PROTECTION :: This prevent torsion and movement that leads to accelerated degradation of PV panels
- ✓ MODULAR CONFIGURATION :: Several tilt orientation : cantilever (Half-"A"-Shape, Half-"Y"-Shape), Y-Shape (dual tilt up) or T-Shape

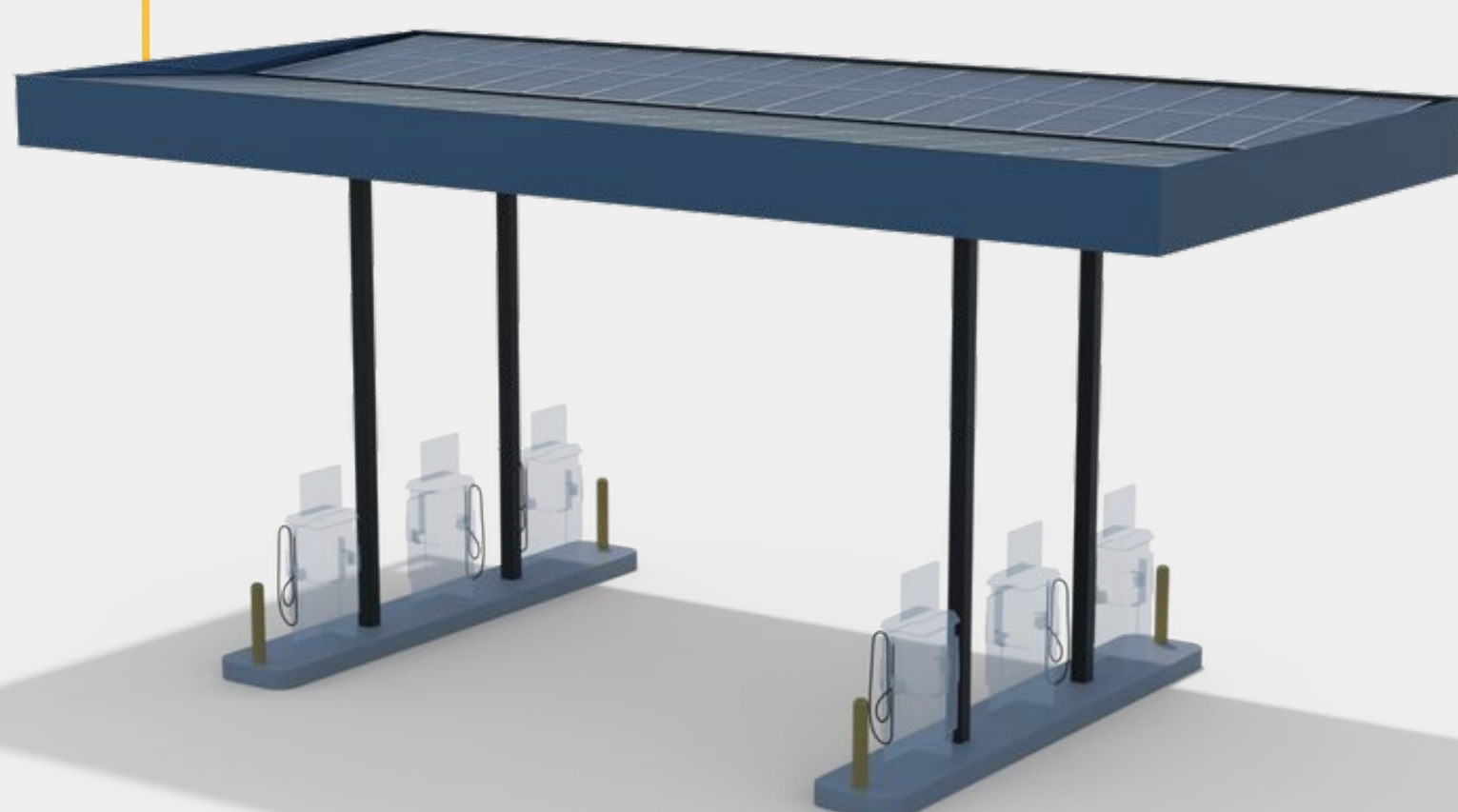


FEATURES

- Structural steel frame, galvanized or painted
- Aluminum extrusions and stainless steel bolts, light and robust
- Warranty to last 20+ years
- 10% to 20% extra energy from bifacial
- Modular design :: 2 to 3 cars coverage per module
- Water & wire managed canopy
- Improved PV protection with continuous rails
- O&M :: minimal maintenance needed

SMART DESIGN

This solution leverages the aesthetic appeal of solar panels to enhance and modernize the gas station while also delivering the standard benefits that such a structure should provide to users: protection from rain (waterproofing) and shading.



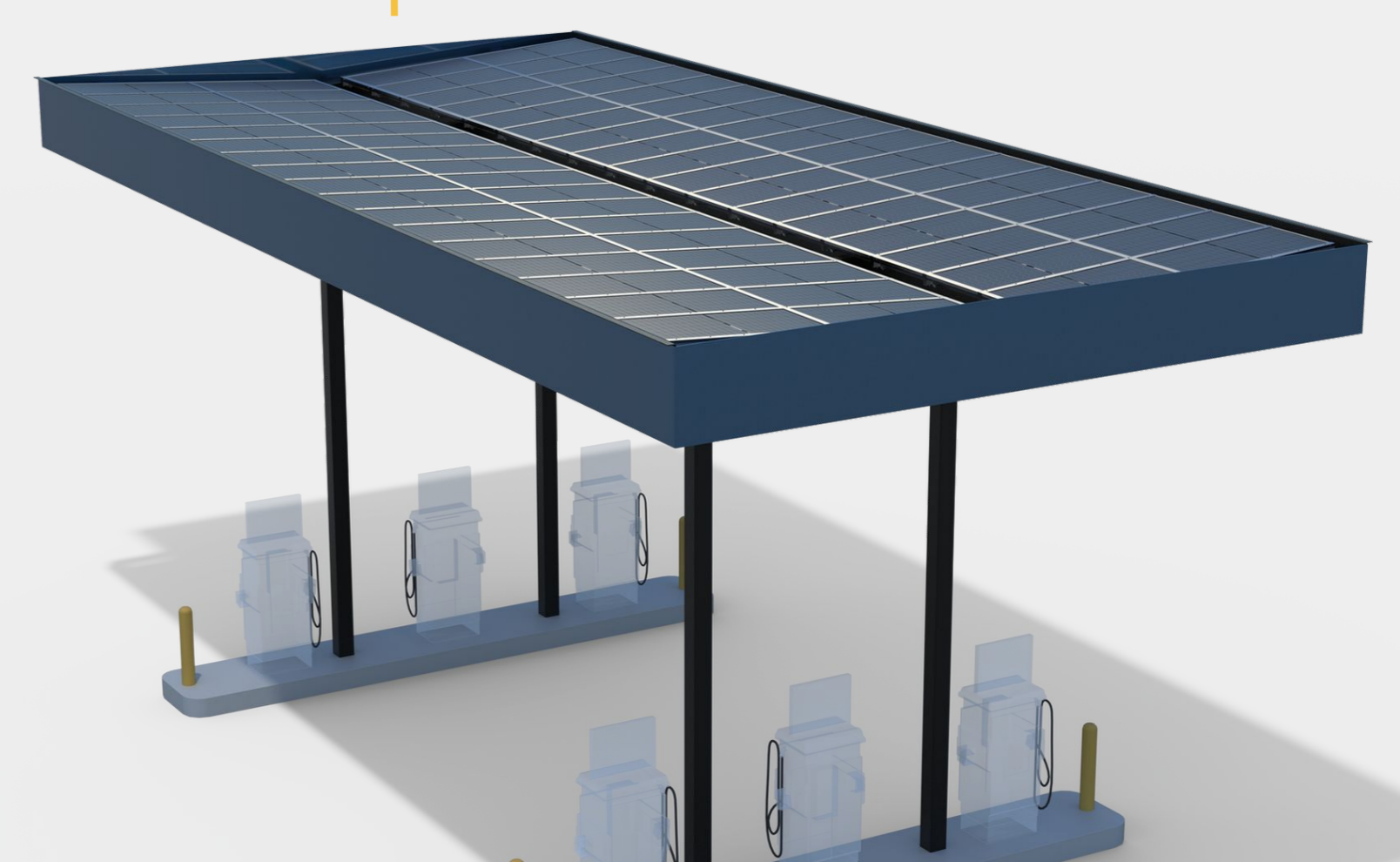
EASY TO INSTALL AND COST EFFECTIVE

A great way to meet new environmental standards and stay current with the times while making a tangible difference in the adoption of renewable energies in our environment.



ENERGY TRANSITION

A great way to meet new environmental standards and stay current with the times while making a tangible difference in the adoption of renewable energies in our environment.



SUNPARK™ STATION

REST AREA CARPORT

KEY SPECIFICATIONS

Material

Aluminum rails and components, stainless steel bolts & nuts. Galvanized steel H-Beams structure

Max Snow Loads

Can be designed for any snow loads (up to over 100 PSF)

Max Wind Loads

Can be designed for any wind loads (up to 180 MPH)

Tilt Angle

5 to 10 typical (any tilt virtually possible)

Module Orientation

Landscape on rails

Module

Any framed PV, any frameless PV

Sealed

Water managed with rubber gaskets

Configuration

Many possible configurations, such as cantilever, dual tilt ("Y-Shape"), tilted up or down, or even continuous structures (monoslope canopies)

Foundation Type

Any (concrete footings typical, can be designed with helical or driven piles of any shape).

Installation

All bolted connections, no welding on site

Module Height from Ground

Depending on the height of the station.

Grounding

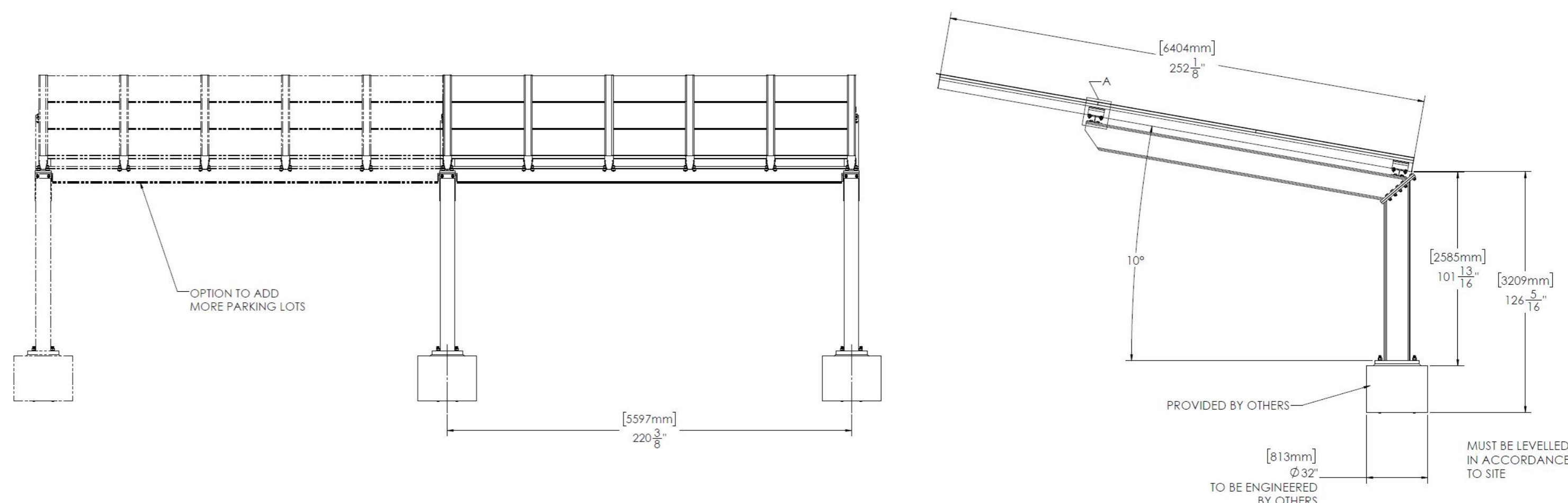
Bonding jumpers available, UL 2703 listed

Typical Bifacial Gains

5-15% (depending on location and orientation)

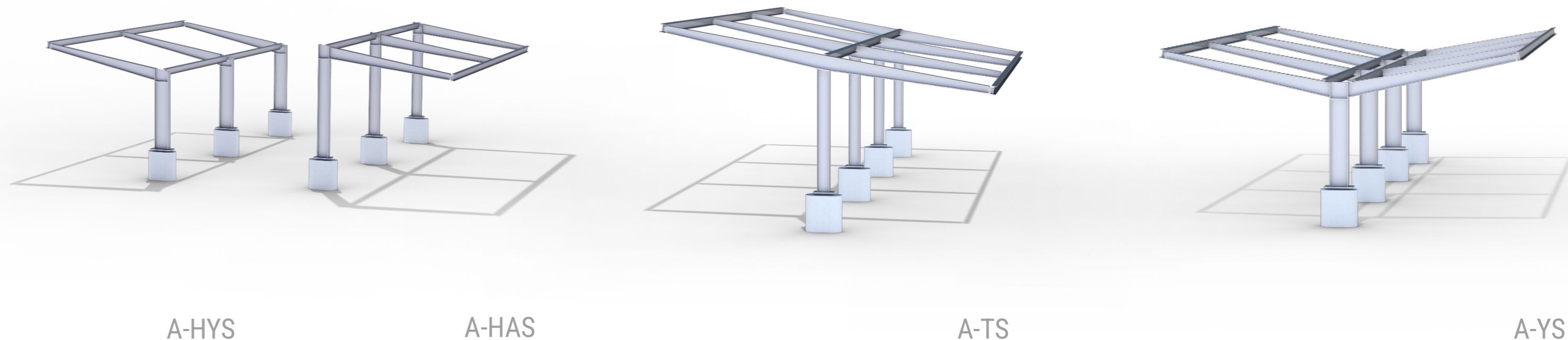
STANDARD CARPORT CONFIGURATION

TYPE	PARKING SPACE PER UNIT	PVs PER UNIT	DISTANCE BETWEEN FOUNDATIONS
HALF Y-SHAPE	2 / 3	15 / 22	18FT / 27FT
HALF A-SHAPE	2 / 3	15 / 22	18FT / 27FT
T-SHAPE	2 / 3	30 / 44	18FT / 27FT
Y-SHAPE	2 / 3	30 / 44	18FT / 27FT

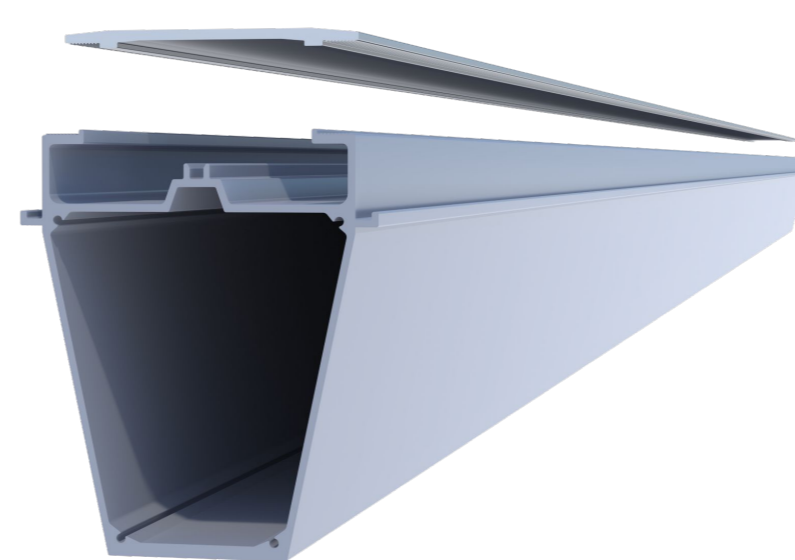


SYSTEM COMPONENTS

Steel Structure



Top beam assembly



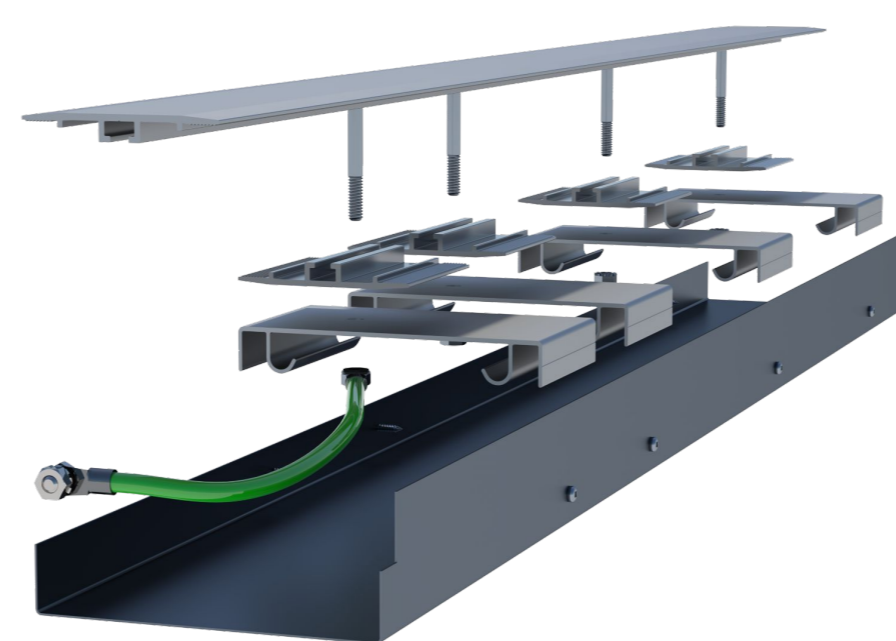
G-CP-BA

Angle clamp



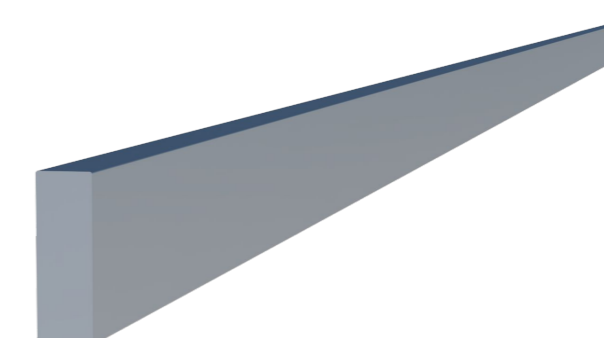
A-CPR6-AC1-1H-6.25in-HBC

Wire Guard



G-CP-WG-XXXmm

Filler



FILLER

End Cap



CP-EC1