

# SUNPARK™ COMMERCIAL

COMMERCIAL SOLAR CARPORT



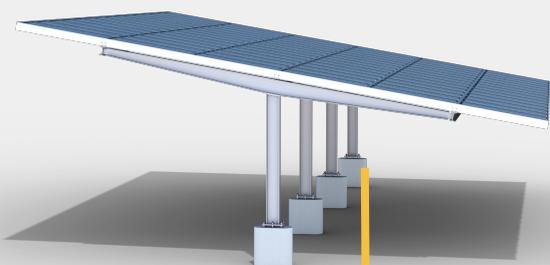
## BENEFITS

- ✓ MORE PROFITABLE :: Highest energy yield (up to 20% more energy from bifacial optimization)
- ✓ GREAT AESTHETICS :: Great look taking advantage of structural steel and bifacial PVs with wire hidden within structure
- ✓ MODULAR SYSTEM :: Each unit covers 2 (18 ft) to 3 (27 ft) parking spaces and units can be added indefinitely
- ✓ MAINTENANCE FREE :: Hi-grade structural steel, galvanized ASTM-123, with aluminum PV rails

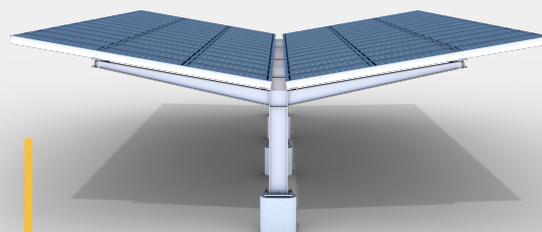


## FEATURES

- 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



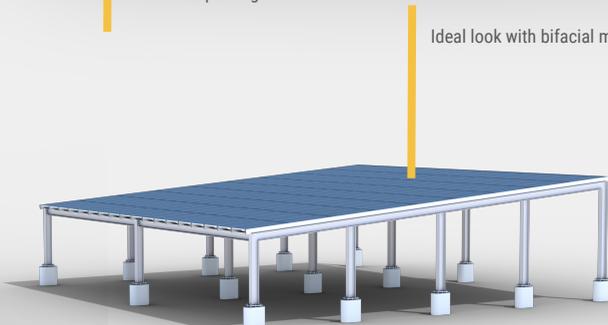
SunPark CPRX multiple configuration possible



SunPark CPRX is perfect for large commercial parking lots



SunPark CPRX can come with tapered, straight and/or braced beams



Ideal look with bifacial modules

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### 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

#### Module Orientation

Landscape on rails

#### Module

Any framed PV, any frameless PV

#### Water Management

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

Helical piles, screw piles or concrete footing (typical)

#### Installation

All bolted connections, no welding on site

#### Module Height from Ground

Customizable, 12 to 14.5 feet typical

#### Grounding

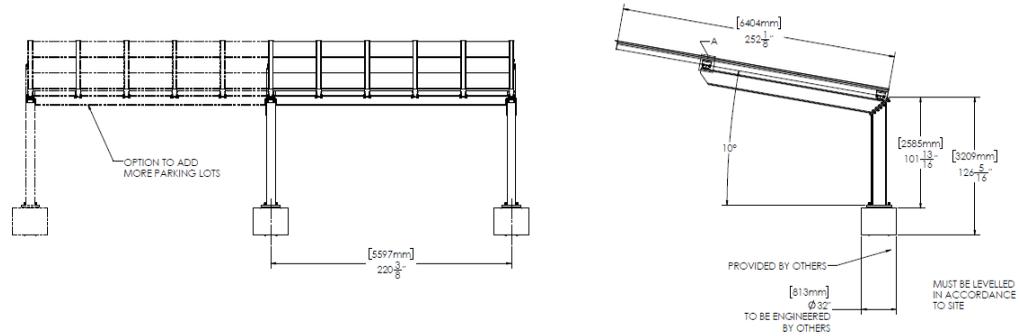
Self-bonding PV clamps, UL 2703 listed

#### Typical Bifacial Gains

10-15% (depending on location and orientation)

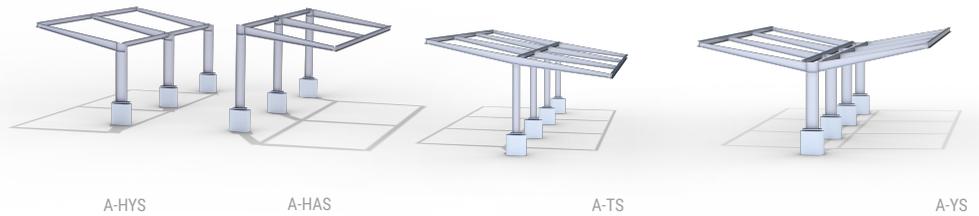
### STANDARD CARPORT CONFIGURATION

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



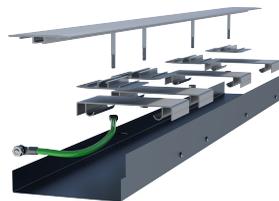
G-CP-BA

#### Angle clamp



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

#### Wire Guard



G-CP-WG-XXXmm

#### Filler



FILLER

#### End Cap



CP-EC1

