

SUNPARK™ COMMERCIAL

COMMERCIAL SOLAR CARPORT



BENEFITS

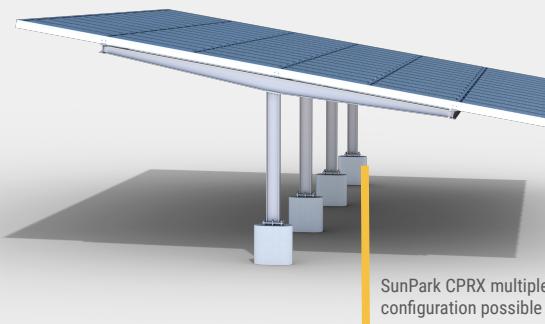
- ✓ **MORE PROFITABLE** :: Highest energy yield (up to 20% more energy from bifacial optimization)
- ✓ **GREAT AESTHETICS** :: Great look taking advantage of structural steel and bifacial PVs with wire hidden within structure
- ✓ **MODULAR SYSTEM** :: Each unit covers 2 (18 ft) to 3 (27 ft) parking spaces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



FEATURES

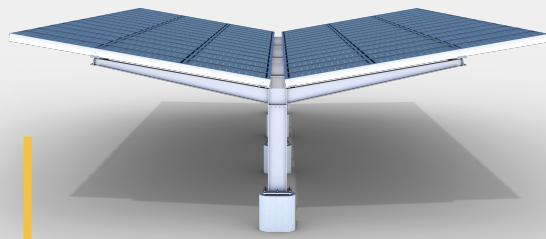
- Structural steel frame, galvanized or painted
- Aluminum extrusions and stainless steel bolts, light and robust
- Warranty to last 20+ years
- 10% to 20% extra energy from bifacial

- Modular design :: 2 to 3 cars coverage per module
- Water & wire managed canopy
- Improved PV protection with continuous rails
- O&M :: minimal maintenance needed



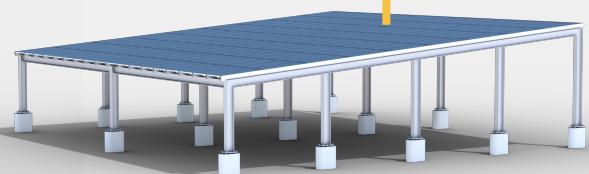
SunPark CPRX multiple configuration possible

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



SunPark CPRX is perfect for large commercial parking lots

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

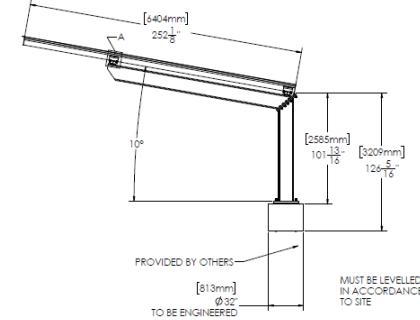
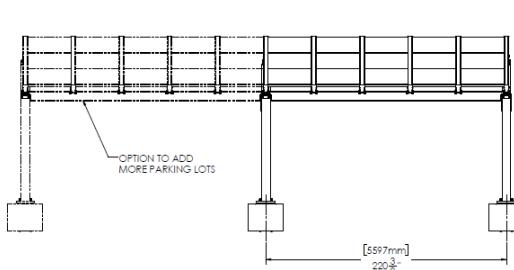
Self-bonding PV clamps, UL 2703 listed

Typical Bifacial Gains

10-15% (depending on location and orientation)

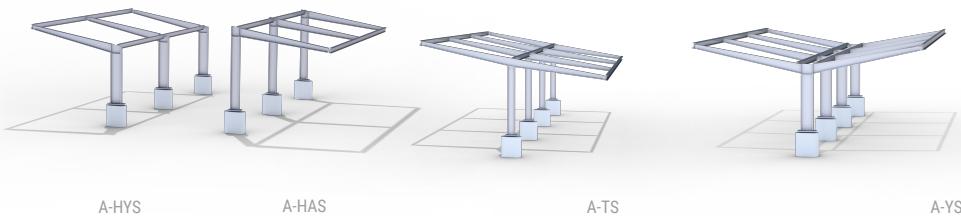
STANDARD CARPORT CONFIGURATION

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



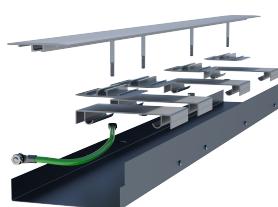
G-CP-BA

Angle clamp



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

Wire Guard



G-CP-WG-XXXmm

Filler



FILLER

End Cap



CP-EC1



OPSUN Systems Inc.

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