

# The Premium™

PATENTED

SOLAIRE GENERATION leads the market in design, innovation, technology and functionality. Our commitment to quality and value is embodied in the architecture, materials and construction of our patented and patent pending structures and systems.



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## INNOVATIVE SOLUTIONS

The Premium™ is a patented dual incline structure combining exceptional functionality and style.

The Premium is the only solar carport system to feature an integrated decking, gutter and foundation system designed to harvest rain and snow melt for gray water use.

The Premium™ has been selected by several Fortune 100 companies, with recent installations at Johnson & Johnson, Dow Jones and GE, including the largest corporate solar carport project in the USA: 3.6 MW.

Solaire Generation's mission is to make a significant and enduring contribution to the development of solar energy. We specialize in transforming parking lots into beautiful solar power plants.

## YOUR PARTNER FOR COMPLETE SOLAR SOLUTIONS

Solaire Generation is recognized by corporate, military, educational and municipal institutions as the leading innovator in the market for solar parking structures and systems.

The patented and patent pending Solaire Parking Structures and Systems combine durability with function and style. We partner with solar integrators, developers, investors and property owners nationwide and globally to provide the best in canopy design, fabrication and installation. We are proud to offer our clients the market's premier solar structures.

## COMPETITIVE ADVANTAGES

### High Energy Yields

- Generates high-energy output for each geographic location and specific site orientation

### Safety Clearances/Security

- Snow and ice protection
- Best in class height clearances minimize possible collisions with commercial vehicles and maintenance equipment
- Easily incorporates security cameras and systems

### Durability

- Concrete piers protect structural steel from vehicle damage
- All exposed structural steel, bolts and welds are typically 2' above asphalt, minimizing corrosive effects of water and salt

### Water Protection/Collection

- All canopies offer optional rain water collection (standard on Premium™) for possible greywater use
- Provides superior parking experience during inclement weather

### Integrated Wire Management

- All canopies contain easily accessible, protective wire guides, allowing for fast, efficient installation
- Results in an organized underside of canopy, with no exposed wire runs

### Branding / Advertising

- Creates additional revenue opportunities

### Solaire Max Rack™

- 2-3x faster panel installation; mounting rail and panel installation combined into one process
- Groups of panels mounted to rails at ground level or off-site and hoisted as units

### Universal PV Components

- Supports all commercially available solar panels, inverters and exterior rated combiner boxes

### Lighting

- Customization available to satisfy client preferences and IES light level requirements
- Integrated light options include energy efficient LED and induction fixtures

### Protection of Electrical Components

- Power column piers encase and protect AC & DC conduit
- PV strings are protected with custom wire guides

### Charging Station

- Integrates with commercially available OEM electric vehicle charging systems

**SOLAIRE GENERATION™**  
DESIGN FABRICATE INSTALL

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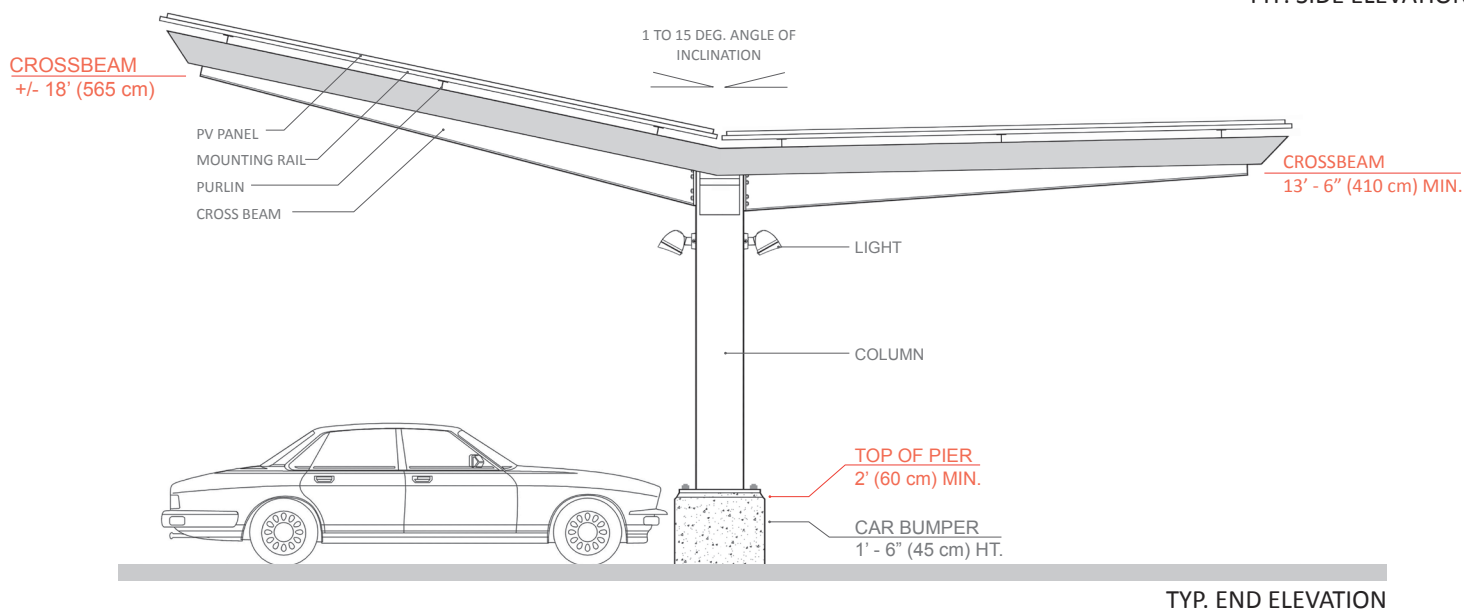
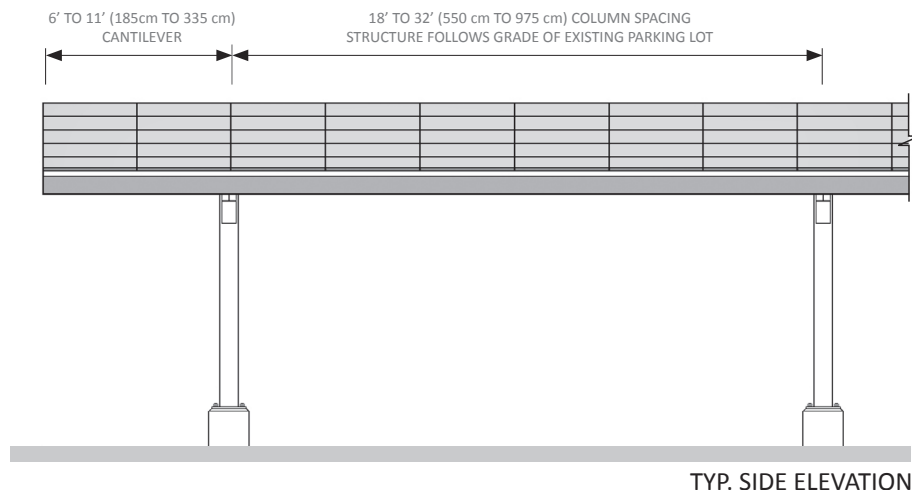
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## PRODUCTS SUMMARY

Dimensions		Finishes	
<ul style="list-style-type: none"><li>Vertical Clearances</li><li>Concrete Pier</li><li>Width</li><li>Angles of Inclination</li><li>Column-to-Column Spacing</li></ul>		<ul style="list-style-type: none"><li>Structural Steel</li><li>Light Gauge Steel</li><li>Colors</li></ul>	
13' - 6" (410 cm) min. 2' (60 cm) min. above asphalt 34' to 41' (1040 cm to 1250 cm) 1 to 15 degree inclination available 18' to 32' (550 cm to 975 cm)		Solaire offers several finish options for structural steel including shop painting, powder coating, and galvanizing.  Decking is galvanized for corrosion resistance and factory coated with a high durability exterior polyester finish.  A wide range of colors is available. White is provided standard.	
Foundations		Lighting	
Cast-in-place or precast reinforced concrete		Solaire structures are compatible with a range of attractive fixture types suitable for a wide variety of site and lighting conditions. Available fixture types include metal halide, high pressure sodium, LED, induction, and others.	
Structural Steel			
Shop fabricated in strict accordance with AISC Steel Building Structures and AWS welding requirements and codes.			
Light Gauge Steel			
<ul style="list-style-type: none"><li>Decking &amp; Gutters</li><li>F1 Fascia</li><li>F2 Fascia</li></ul>			
Shop fabricated 20 GA. ptd. galvanized steel 3mm aluminum composite material Shop fabricated 20 GA. galvanized steel			
Drainage			
Schedule 40 / 80 PVC			
PV Components			
<ul style="list-style-type: none"><li>Mounting Rail</li></ul>			
Unistrut or equivalent provided standard. Standard finish is hot-dipped galvanized. Other mounting rails are available.			
<ul style="list-style-type: none"><li>PV Panel Compatibility</li></ul>			
Solaire structures are compatible with all commercially available PV panels.			
<ul style="list-style-type: none"><li>Combiner Box Compatibility</li></ul>			
Solaire structures are compatible with all exterior rated combiner boxes.			

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