

Solaire Long Span R5™

Patents Pending

The Solaire Long Span R5 modular truss system installs efficiently on new and existing parking garages. The patent pending design optimizes system size and productivity, providing a 5-degree tilt with a southern exposure, regardless of garage orientation.

The structure has integrated wire guide and lighting systems for efficient electrical work. The Solaire Long Span R5 is engineered to work in all regions and features an optional snow and ice guard.

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

The Solaire Long Span elegantly crowns parking garages, showing a commitment to renewable energy from near and afar.

COMPETITIVE ADVANTAGES

High Energy Yields

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

Branding / Advertising

Creates additional revenue opportunities.

Charging Station

Integrates with commercial OEM electric vehicle charging systems.

Safety Clearances

The standard 7'-6" vertical clearance can be customized to suit the requirements of any parking structure.

Lighting

Customization available to satisfy client preferences and IES light level requirements.

Universal PV Components

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

Electric Protection

PV strings are protected with custom wire guides.

Durability

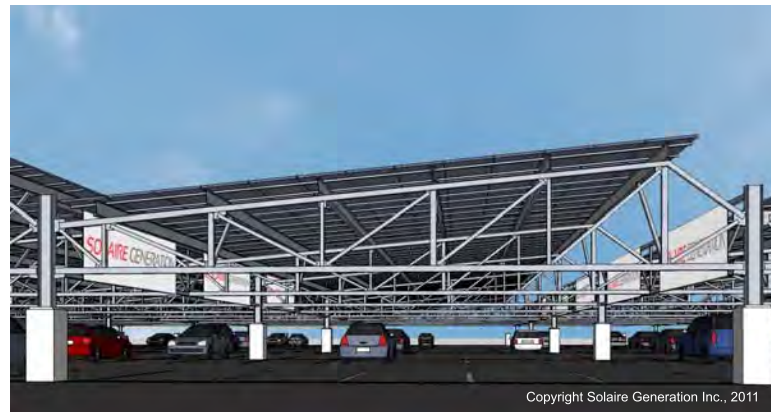
Standard hot-dipped galvanized finish minimizes corrosive effects from water and salt.

Security

Easily incorporates security cameras and systems.

Snow & Ice Protection

The Solaire Long Span R5™ offers optional snow & ice guards to protect cars and pedestrians.



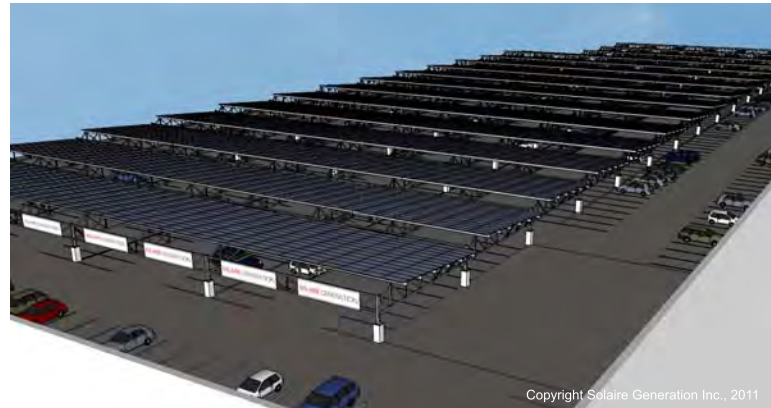
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Typical Parking Bay



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Branding / Advertisement



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Scalable & Modular



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Truss Detail

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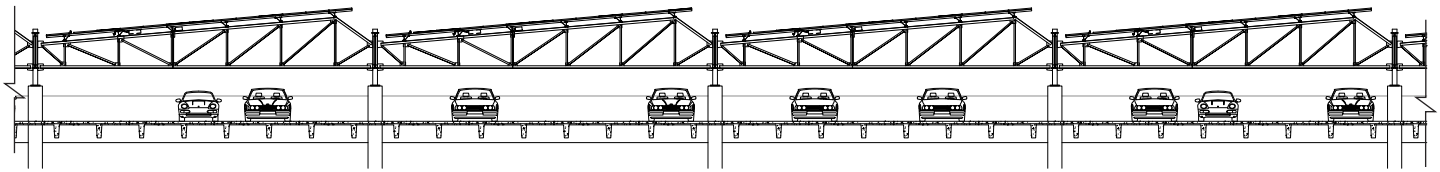
YOUR PARTNER FOR COMPLETE SOLAR SOLUTIONS

Solaire Generation is recognized by Fortune 100 companies as the leading innovator in the market for solar parking structures & systems. We partner with solar integrators, developers and property owners in order to provide our clients with the best in canopy design, fabrication and installation. We are proud to offer our clients the market's premier solar structures.

Solaire Long Span R5™

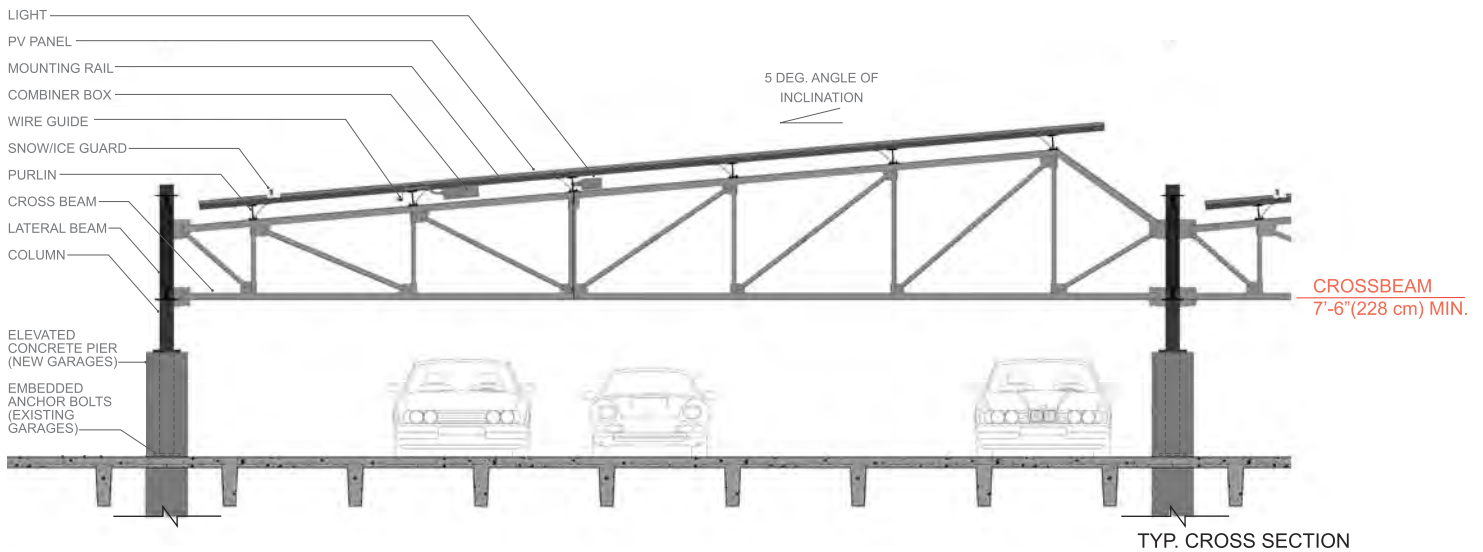
Patents Pending

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PARTIAL CANOPY SECTION

30' TO 60' (914 cm TO 1828 cm) TYPICAL COLUMN SPACING
STRUCTURE FOLLOWS COLUMN GRID OF EXISTING PARKING STRUCTURE



TYP. CROSS SECTION

Product Summary

Dimensions

- Vertical Clearances 7' - 6" (228 cm) minimum
- Width Determined by parking structure
- Angle of Inclination 5 degree inclination standard
- Column-to-Column Spacing 30' to 60' (914 cm to 1828 cm)

Anchoring

Embedded steel anchor rod attaches solar canopy to new and existing parking structures.

Structural Steel

Shop fabricated in strict accordance with AISC Steel Building Structures and AWS welding requirements and codes.

PV Components

- Mounting Rail Solaire Generation's patent pending aluminum Max Rack allows panels to be installed and maintained from below the canopy, saving time and money during installation and maintenance.
- PV Panel Compatibility Solaire structures are compatible with all commercially available PV panels.
- Combiner Box Compatibility Solaire structures are compatible with all exterior rated combiner boxes.

Finishes

- Structural Steel Standard finish is hot-dipped galvanized. Solaire also offers several optional shop painted finishes.
- Colors (Optional) A wide range of color coatings is available.

Lighting

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.

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