

Solaire 360™

PATENT PENDING

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.



Copyright Solaire Generation Inc., 2012



INNOVATIVE SOLUTIONS

The Solaire 360™ is a single or dual incline structure that is cost competitive to manufacture and install.

The architecture is inspired by the natural beauty and engineering efficiencies of a tree. Tapered purlins and crossbeams allow for longer cantilevers and smaller member sizes.

As a dual-incline structure, the Solaire 360™ safely directs snow and ice to the center of the structure to protect people and cars and features a standard minimum drive aisle clearance of 13'- 6".

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

150 West 28th Street
Suite 1801
New York, NY 10001

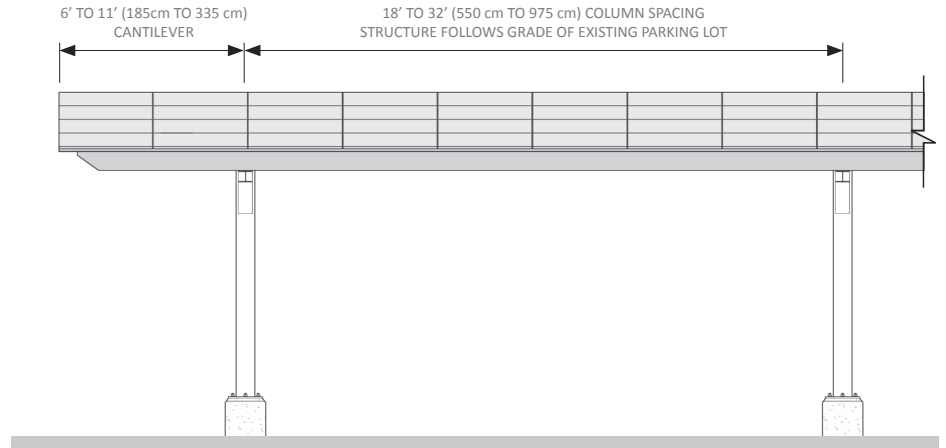
Office : +1 212 219 0920
info@solairegeneration.com
www.solairegeneration.com

Copyright Solaire Generation Inc., 2012

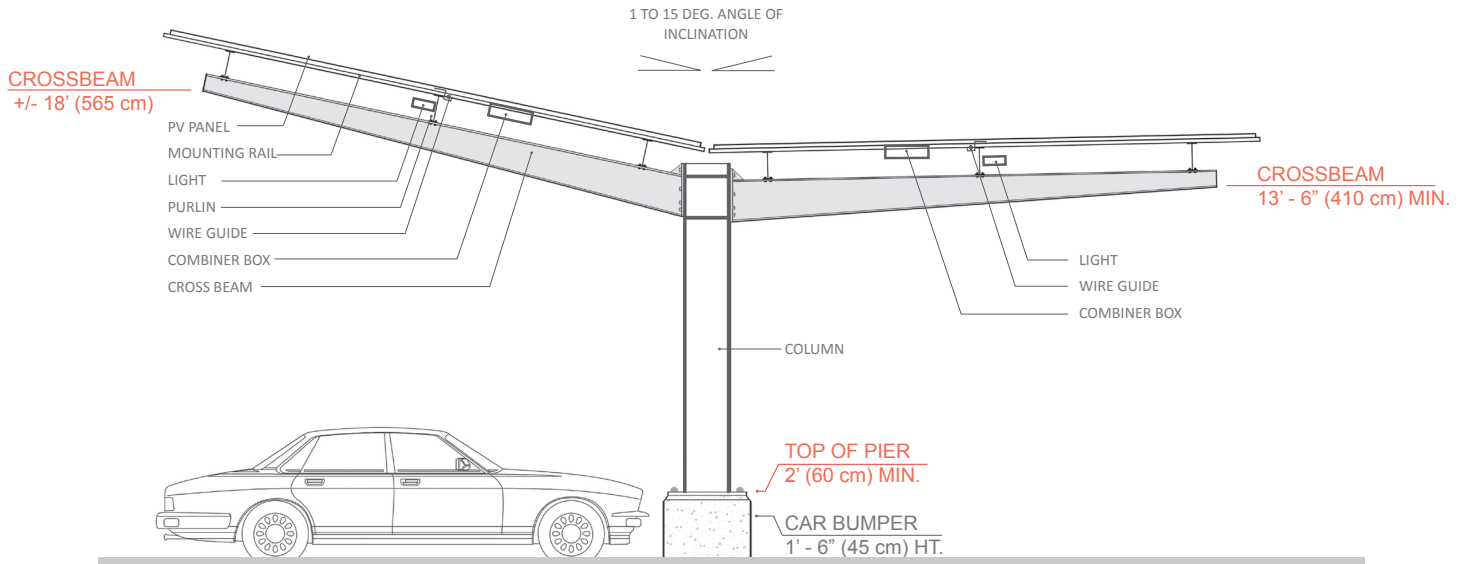
Solaire 360™

030512

PATENT PENDING



TYP. SIDE ELEVATION



TYP. END ELEVATION

PRODUCTS SUMMARY

Dimensions

- Vertical Clearances 13' - 6" (410 cm) min.
- Concrete Pier 2' (60 cm) min. above asphalt
- Width 34' to 41' (1040 cm to 1250 cm)
- Angles of Inclination 1 to 15 degree inclination available
- Column-to-Column Spacing 18' to 32' (550 cm to 975 cm)

Foundations

Cast-in-place or precast reinforced concrete.

Structural Steel

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

PV Components

- Mounting Rail Solaire MaxRack modular aluminum racking and wire management system provided standard. See MaxRack system product sheet for add'l details.
- 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 Solaire offers several finish options for structural steel including shop painting, powder coating, and galvanizing.

Colors

A wide range of colors are 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.

SOLAIRE GENERATION™
DESIGN FABRICATE INSTALL

150 West 28th Street Suite 1801 New York, NY 10001
Office : +1 212 219 0920
info@solairegeneration.com
www.solairegeneration.com

Copyright Solaire Generation Inc., 2012