

SHIELD

Solar Carport Mounting System

Solar PV Carports and Canopies for Projects of all sizes. The Polar Shield is a solar energy canopy solution that is highly configurable, easy to assemble and cost effective. With single, double and long-span options. It is the industry's most versatile solar carport solution.

KEY PRODUCT BENEFITS



Robust design - perfect for areas with heavy wind, snow or rain



Multiple configuration options



Waterproof and snow guard solutions



Multiple foundation options available based on soil conditions: Helical, Spread-footer, Caisson, I-Beam



Perfect for EV charging stations



Installation services available

KEY FEATURES

Fully Configurable

- Single row, double row, long-span and custom options
- Mono-slope, dual-slope design options
- Custom tilt angles

Optimized to the Site

- Custom designed to geographic loads and local building codes
- Optimized span between foundation posts
- Multiple foundation solutions
- Raised or at grade foundation

Weather Protected and Water Management

- Durable galvanized steel construction (G90-G235)
- Corrosion resistant hardware (SS, Magni-Coated, Hot-Dip-Galvanized)

Full Customer Support

- Engineering field support
- Complimentary site layouts
- Sealed and stamped structural and foundation engineering drawings

Various Customizations Available

- Structure - Different coatings available
- Lighting options
- Underdecking - Different colors



**L-SHAPE
SINGLE ROW**

- Covers a single row
- Flat or check mark, up-slope, or down-slope
- Ideal for large lots that have additional space for parking, such as housing units, commercial buildings



**T-SHAPE
DOUBLE ROW, MONO SLOPE**

- Covers double rows
- Up-slope and down-slope, mono-slope
- Ideal for large lots that have additional space for parking, such as commercial buildings



**Y-SHAPE
DOUBLE ROW, THROUGH SLOPE**

- Covers double rows
- Up-slope (Y-shape slope), through-slope
- Single or dual posts (Pi-shape)
- Ideal for large lots that have additional space for parking, such as housing units, commercial buildings



LONG SPAN

- Covers two or more rows
- Mono-slope
- Ideal for covering large lots, such as top of a building garages and outdoor parking lots.



**CHECK MARK - OPTION
DOUBLE ROW, THROUGH SLOPE**

- Check mark slope
- Built-in snow and ice mitigation
- Can add to T-Shape, L-Shape and Longspan

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