

ENVISION SOLARSM TRACKING SOLAR TREE[®] STRUCTURE

transforming parking lots and parking structures into clean power plants



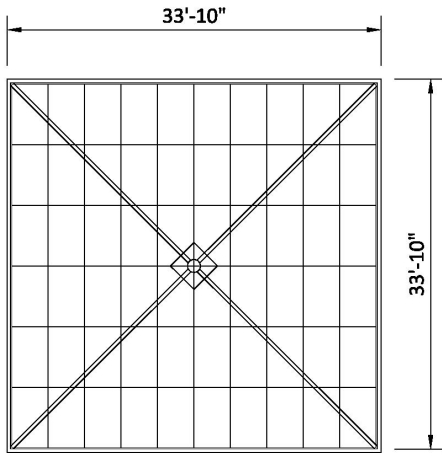
Turn-key Photovoltaic Shade System With Dual-Axis Tracking Delivered On-Site For Easy Installation

Tracking Solar Tree[®] arrays are the ideal solution to create distinguished, sustainable real estate. The Tracking Solar Tree[®] array is designed to meet the needs of a wide variety of applications, shading vehicles from the sun, reducing carbon footprints through the production of renewable energy, advancing the infrastructure for electric vehicles and increasing output by 20% over a standard fixed PV array. The EnvisionTrak[™] technology, a hybrid multi-axis design, provides a highly functional solution which allows the entire Solar Tree[®] canopy to track the sun, while not restricting traffic flow in drive aisles of parking lots. Envision Solar's Tracking Solar Tree[®] arrays are the ideal combination of form, function and sustainability.

- Each Tracking Solar Tree[®] structure shades six standard parking spaces
- Each Tracking Solar Tree[®] structure generates enough clean energy to fully charge six electric vehicles each day, making them truly emissions-free.
- Iconic design suitable for a wide variety of properties
- System supports a variety of module types
- Easily deployed on existing structures or new construction
- Integrated Wire Management System
- Tilted at 15° to optimize aesthetics, energy production and shade, and to minimize maintenance
- Available for shipment worldwide



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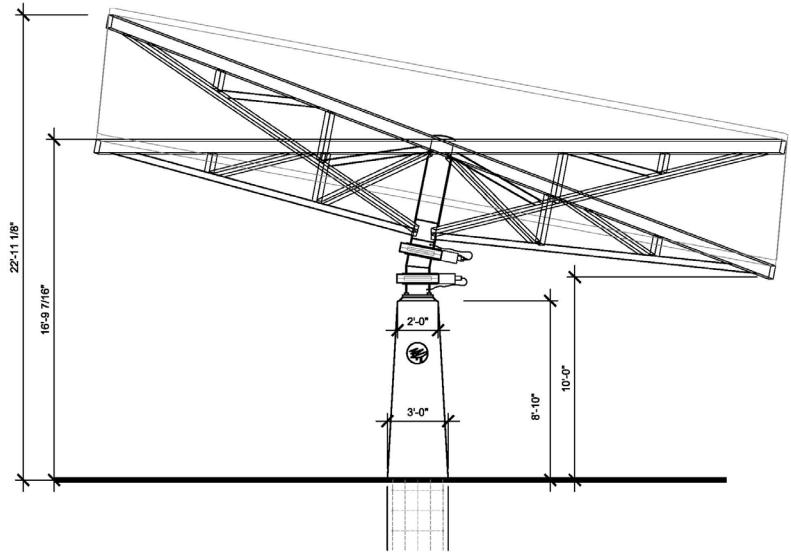
1 | PV SYSTEM

PV System Size Per Tree:
14.40 kW DC (STC)

Module Type and Model Number:
MAGE Powertech® Plus 240/6MF

Tilt Angle:
15°

Tracks the sun for maximum efficiency.



2 | DIMENSIONS

Canopy:	33'-10" x 33'-10" (10.31m x 10.31m)
Base Plate Dimensions:	20" x 20" x 1-1/2" (50.8cm x 50.8cm x 3.81cm)
Concrete Column Dimensions:	Tapered height: 8'-10" (Standard; Can Vary) (2.69m) 24" at top; 36" at base (60.96cm); (91.44cm)
Typical Anchor Bolt Dimension:	1" dia. x (Depth Varies) (2.54cm)

3 | FOUNDATION (Below Grade)

Material: Reinforced concrete (caisson) foundation, structurally designed for each location. Depth of caisson varies per soil conditions and local conditions.

NOTE: Structural foundation design is not included. Additional engineering services available in select locations upon request.

4 | ELECTRICAL SYSTEM INTEGRATION

EnvisionTrak™ Tracking System: Multi-axis tracking systems designed to increase output by 20% over a standard fixed PV array.

Lighting: Optional lighting fixtures can be mounted to column or canopy, providing indirect ambient light or direct downlighting. Energy-efficient LED's are recommended.

Electric Vehicle Charging Station (Optional): The standard Tracking Solar Tree® structure accommodates a variety of charging station configurations.

NOTE: All Solar Tree® structures are pre-fit with spare conduits for future devices such as communication, security, or flat screen advertising panels.

5 | SHIPPING CHARACTERISTICS

Shipping Dimensions (L x W x H):

Purlins – 34' x 3' x 2' (10.36m x .91m x .61m)
Edge Beams – 35' x 2' x 1' (10.67m x .61m x .3m)
Column – 15' x 4' x 3' (4.57m x 1.22m x .91m)
Trusses – 24' x 3' x 4' (7.32m x .91m x 1.22m)
Modules – 6' x 6' x 3' (1.83m x 1.83m x .91m)

Weight: 6,500 lbs (2,948.35 kg)

Size of Container: 40' or 60' Truck

Packing Configuration: Individually packaged, by component type

Pallet Quantity: 5 Pallets of Modules,
4 Additional Pallets

6 | ASSEMBLY INFORMATION

Equipment Requirements:

Light Crane, Forklift, Manlifts, Hand Tools
(Backhoe/Drill Rig if being installed on-grade)

Labor Requirements:

Envision or other skilled supervision
3 Skilled Workers

Contractor License Requirements:

B, C (Varies by State)

Finishes:

Tapered Column: Concrete
Steel Column: ASTM-123 Hot-Dipped Galvanized Steel
Purlins: G-90 Galvanized Steel
Trusses: ASTM-123 Hot-Dipped Galvanized Steel

7 | CODE COMPLIANCE

Each Solar Tree® array exceeds code requirements in any jurisdiction in the United States with certain site specific modifications.

