Envision Solar International

Product List 2014
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CONCEPTS, ETC. FOR ANY PURPOSE.
Standard features *

- 16’X9’, 9 or 12 module array
- 7.5’ standard minimum clearance
- Ballasted Pad (no foundation or trenching)
- 2.5 or 3.3kW DC
- 3,800 to 7,000kWh/year*
- EnvisionTrak™ Tracking
- SunCharge™ - 1 level 2 EV charger or two level 1 chargers
- 21.6 kWh on board ARC™ technology battery storage
- 1 truss-integrated LED light

Optional features (additional cost)

- Color of your choice – Paint or Powder-coat finish  p.18
- Corrosion resistant ACM ceiling  p.19
- Media Platforms (digital or static)
- Other integrated components:  p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles
  - USB Port
  - Emergency Power Access

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
The EV ARC™ fits into a standard 9’x18’ parking space, is ADA compliant and can start charging right-away!
EV ARC™ Simple, Elegant and Versatile for Multiple Uses

Electric Scooters

Advertising Display

Seating

Electric Bikes
Envision Solar’s Solar Tree® Arrays are the highest quality, fastest deployed and most attractive turnkey photovoltaic parking shade systems in the industry.

A Solar Tree® structure shades six to eight standard car parking spaces and simultaneously produces enough clean energy to fully charge six electric vehicles or power six family homes per day. The energy produced can be used to reduce your utility bill, charge EVs, be stored for use in an emergency or all of the above.

The Solar Tree® products consist of a 35’ by 35’ square, 60 module PV canopy mounted atop a single column. There is a 10’ standard minimum clearance from the lowest point on the array even when it is tracking the sun. This comfortably and safely allows for shaded parking beneath the array.

Envision Solar’s Solar Tree® arrays are the ideal combination of form, function and sustainability.
Standard features *

- 16.5kW DC, 35'X35', 60 PV module array
- 25,000 to 35,000 kWh/year*
- 10' standard minimum vertical clearance
- Galvanized steel structure
- Architectural tapered column
- Turn-key installation
- 30 year warranty on PV and inverters
- Rapid deployment – 7 days

Optional features

- EnvisionTrak™ Tracking p.15
- SunCharge™ EV charging (1-6 chargers) p.16
- Truss-integrated LED lights (4) p.17
- Column mounted LED up-lighting (2-4) p.17
- Color of your choice
  - Paint or Powder-coat finish p.18
- Corrosion resistant ACM ceiling p.19
- ARC™ Power Storage Technology p.21
- Other integrated components:
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Standard features *

- Fixed 35’X35’, 60 PV array
- 15.3kW DC
- 25,000 to 35,000 kWh/year*
- 10’ standard minimum clearance
- 30 year warranty on PV and inverters
- Galvanized Steel Array
- Galvanized steel tube column
- Turn-key installation
- Rapid turnkey deployment – 7 days

Optional features

- EnvisionTrak™ Tracking p.15
- SunCharge™ EV charging (1-6 chargers) p.16
- Column mounted LED up-lighting (2-4) p.17
- Color of your choice
  - Paint or Powder-coat finish p.18
- ARC™ Power Storage Technology p.21
- Other integrated components: p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Standard features *

- 16.5kW DC, 35’X35’, 60 PV module array
- 25,000 to 35,000 kWh/year*
- 10’ standard minimum vertical clearance
- Galvanized steel structure
- Customized architectural tapered column
- Color of your choice – Paint or Powder-coat finish
- Corrosion resistant ACM - aluminum composite ceiling
- Branded valance and badging
- Turn-key installation – 7 days or less
- 30 year warranty on PV and inverters

Optional features

- EnvisionTrak™ Tracking  p.08
- SunCharge™ EV charging (1-6 chargers)  p.09
- Truss-integrated LED lights (4)  p.10
- Column mounted LED up-lighting (2-4)  p.10
- ARC ™ Power Storage Technology  p.14
- Other integrated components:  p.15
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Standard features *

- Column Integrated DC Fast Charging
- 16.5kW DC, 35'x35', 60 PV module array
- 25,000 to 35,000 kWh/year*
- 10' standard minimum vertical clearance
- Truss-integrated LED lights (4)  p.17
- ARC ™ Power Storage Technology (180 kWhs capacity)  p.21
- Customized architectural tapered column
- Color of your choice – Paint or Powder-coat finish
- Branded valance and badging
- Turn-key installation – 7 days or less
- 30 year warranty on PV and inverters

Optional features

- EnvisionTrak™ Tracking  p.15
- Column mounted LED up-lighting (2-4)  p.17
- Corrosion resistant ACM - aluminum composite ceiling
- Other integrated components:  p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
**Standard features** *
- 16.5kW DC, 35’X35’ (1225 sq. ft.), 60 PV module array
- 25,000 to 35,000 kWh/year*
- Digital/Static valance, ceiling, column Displays
- 10’ standard minimum clearance
- Galvanized steel structure
- Color of your choice – Paint or Powder-coat finish
- Turn-key installation - 7 days or less
- 30 year warranty on PV and inverters
- Rapid re-deploy ability

**Optional features**
- Truss-integrated LED lights (4) p.17
- Column mounted LED up-lighting (2-4) p.17
- Corrosion resistant ACM ceiling p.19
- Customized architectural tapered column p.20
- ARC™ Power Storage Technology p.21
- Other integrated components: p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

*All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.*
Standard features *

- 16.5kW DC, 35' X 35' (1225 sq. ft), 60 PV module array
- 25,000 to 35,000 kWh/year*
- Digital/Static valance, ceiling, column Displays
- 10' standard minimum clearance
- Galvanized steel structure
- Color of your choice – Paint or Powder-coat finish
- Turn-key installation - 7 days or less
- 30 year warranty on PV and inverters
- Rapid re-deploy ability

Optional features

- EnvisionTrak™ Tracking p.15
- SunCharge™ EV charging (1-6 chargers) p.16
- Truss-integrated LED lights (4) p.17
- Column mounted LED up-lighting (2-4) p.17
- Corrosion resistant ACM ceiling p.19
- Customized architectural tapered column p.20
- ARC™ Power Storage Technology p.21
- Other integrated components: p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Standard features *

- Column Integrated Customer Interface Device (ATM, Kiosk, Vending)
- 16.5kW DC, 35’X35’, 60 PV module array
- 25,000 to 35,000 kWh/year*
- 10’ standard minimum vertical clearance
- Customized architectural tapered column
- Color of your choice – Paint or Powder-coat finish
- Corrosion resistant ACM - aluminum composite ceiling
- Branded valance and badging
- Turn-key installation – 7 days or less
- 30 year warranty on PV and inverters

Optional features

- EnvisionTrak™ Tracking  p.15
- SunCharge™ EV charging (1-6 chargers) p.16
- Truss-integrated LED lights (4)  p.17
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- Other integrated components:  p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Standard features *

- 16’X9’, 9 or 12 module array
- 2.5 or 3.3kW DC
- 3,800 to 7,000 kWh/year*
- 7.5’ standard minimum clearance
- Turn-key installation
- Rapid deployment – 5 days
- Galvanized steel structure

Optional features

- EnvisionTrak™ Tracking  p.15
- SunCharge ™ EV charging (1-6 chargers)  p.16
- Truss-integrated LED lights (1)  p.17
- Column mounted LED up-lighting (1) p.17
- Color of your choice
  - Paint or Powder-coat finish  p.18
- Corrosion resistant ACM ceiling  p.19
- Customized architectural tapered column  p.20
- ARC ™ Power Storage Technology  p.21
- Other integrated components:  p.22
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
EnvisionTrak™ is Envision Solar’s proprietary and patented tracking solution. Described as the most reliable, most robust and most elegant tracking solution in the industry by San Diego Gas and Electricity, EnvisionTrak™ increases solar generation by 18 to 25% over conventional fixed arrays.

The visual impact of a Solar Tree® or Solar Grove™ array as it tracks the sun in perfect synchronicity is another significant value offered by EnvisionTrak™. People will come from miles around to see your Solar Tree® arrays move.

Most importantly EnvisionTrak™ tracks the sun without swinging the array so it stays perfectly in line with your drive aisles and other architectural features. Impeding drive aisles is illegal in many instances and a bad idea even when it isn’t illegal.

EnvisionTrak™ can be integrated into all Envision Solar products.

Stop-lapse video of patented tracking above, also see at: http://vimeo.com/46196130

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
SunCharge™ is the most exciting and environmentally friendly way to offer Electric Vehicle charging today. Customers will love the shade and the architectural improvement from the Solar Tree® structure but most of all they’ll love knowing that their EVs are charging from sunshine.

And because Solar Tree® structures pay for themselves all the costs normally associated with installing pedestal mounted EV chargers (trenching, foundations, electrical) are paid for by the money you’ll save on your utility bill.

We mount 6 level 1 or level 2 EV chargers or one DC fast charger on Solar Tree® HVBA, HVLC, SMA and Standard. We mount one level 2 EV charger or two to three level 1 chargers on Solar Tree® Socket™ and EV ARC™. They come pre-engineered to our products so you’ll have much less disruption from the installation as well.

Try Driving on Sunshine – it feels great!

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Solar Tree® structures are safe and beautiful at night time too. Our LED lights offer the most attractive lighting options in a very energy efficient manner, minimizing light pollution.

Choose truss integrated lights which are embedded in the lower truss of our array and you will bathe the surrounding area in light from a fixture which is invisible during the day. If you prefer up lighting the underside of the array we have a variety of LED column mounted solutions to chose from.

LED lights can be adjusted for color and focus so that you can direct how much light you emit, what color it is and how much area it covers.

Solar Tree® structures can completely replace the need for inefficient lamp standards or other lighting solutions where they are deployed. Because the light is emitted below the canopy they are compliant with dark skies initiatives and might even help you get your project through entitlement.

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Envision Solar products can be custom finished with your choice of paint or powder coat. We also integrate a variety of other finishes such as architectural and vandalism resistant tile.

Exposed structural steel surfaces are hot-dip galvanized before painting or powder coating which ensures a rust free life even in the event that the paint is damaged at some point in the future.

In situations where hot-dip galvanizing is not possible we use the highest quality anti corrosion treatments in accordance with the industries highest standards.

Solar Tree® structures are beautiful – add a little color to them to make them uniquely yours.

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Solar Tree® structures are beautiful. Adding a Corrosion Resistant Ceiling to the design makes them even better.

While some people like the look of the underside of a group of solar panels we know that others prefer the clean and glossy finish that our ACM ceiling offers. ACM panels are an aluminum composite material which are incredibly resistant to corrosion and which look great for a very long time. Widely used as a building cover all over the world we have re-purposed these panels to add a high tech, high gloss finish to the underside of our Solar Tree® structures. Because solar modules work better when they are cooler we’ve been careful to design the ceiling system so that it allows for maximum temperature dissipation while delivering the best aesthetic possible.

Chose the color you like from a broad palette. We’ll do the rest.
Solar Tree® structures are beautiful. Adding an Architectural Column to the design makes them even better.

Our tapered columns were designed by our in house architects to be the perfect blend of form and function. They are proportionately sized and shaped to create an iconic, monolithic luxury landmark.

Tapered columns are either pre-cast in concrete or fabricated of heavy duty structural steel which is hot-dip galvanized and coated to ensure a very long and robust life. The steel columns are hollow and will accommodate electrical and battery storage components.

Finishes vary from paint or powder coat to tile or stone. We let our customers decide. They are always beautiful and tough enough to last a lifetime.
Solar Energy is fantastic and very cost effective but it is subject to intermittency. At night or during periods of snow or very heavy weather, solar arrays do not produce or produce less than is needed.

Envision Solar has perfected an energy storage solution that makes intermittency a thing of the past. Our EV ARC™ works both day and night yet it relies on sunlight alone for its source of energy.

We can integrate ARC™ technology into any of our products creating the most reliable source of energy available today. Not only are our products not subject to the intermittency of solar production but they can also keep you operating safely during a power cut.

Whether your chief concern is disaster preparedness, transportability or simply avoiding costly trenching, interconnection and high utility bills, Envision Solar’s ARC™ technology delivers.

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
Solar Tree® structures make fantastic mounting assets for any device that might enhance your campus environment.

CCTV, Wireless Access, Speakers or Emergency Call Stations can all be easily integrated into the design so that they are most robustly and attractively mounted to your Solar Tree® structure.

Because Solar Tree® structures are delivering power to your campus the trenching and conduit runs are already in place and you can save money and disruption when you need to add other devices to your parking lot. Just let us know that you would like a couple of extra conduits for future uses. It makes a lot of sense.

* All dimensions, cost capacity and production numbers are approximate. Please ask about discounts for volume.
The Industry’s Highest Standards

- Our products are architecturally accretive and pass entitlement more easily than others
- Our products adhere to extremely stringent engineering standards
- Our products are rated for any and all conditions in the USA
- Our products are made in the USA
Modular design and installation of highest quality components

Reduced assembly & installation time from weeks to days – industry best

Kit of engineered parts reduces field labor and risks to a minimum

Drag and Drop™ Fastest Installation in the Industry
Quality is what we deliver!

- **Highest quality engineering**
  - We use only the highest quality PV modules, inverters and other PV components
  - We use only the highest quality gears, motors and other components for our tracking.
  - We use the highest grades of steel, aluminum, coatings and finishes
  - We use only the highest quality lighting and other fixtures

- **Rapid installation**
  - Our deployment times are the fastest and least disruptive in the industry

- **Re-deployable**
  - All our products can be moved to a new location at any time

- **Snow and hurricane enabled**

- **Lowest maintenance requirements in the industry**

- **Architecturally accretive**
Envision Solar International

Trusted by...
Call to order your Envision Solar product and take advantage of the generous incentives available today!

For more information please contact

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