

# *Solar Powered EV Charging Products*



*From the Leader in Sustainable EV Charging Products  
Envision Solar International, Inc.*



**Drive on Sunshine, Thrive on Sunshine**

# *Solar Powered EV Charging That Works Anywhere*





*Available by Day or Night*



# *Solar Powered EV Charging Products*



**EV ARC™**  
**Electric Vehicle**  
**Autonomous Renewable Charger**



**Solar Tree®**  
**Sustainable EV Charging Station**



# EV ARC™ - Simple, Elegant and Versatile for Multiple Uses



Electric  
Scooters



Electric  
Vehicles



Advertising  
Display



Electric  
Bikes



**ISLANDED SYSTEM  
NO GRID REQUIRED**

# EV ARC™ - Ready to Operate

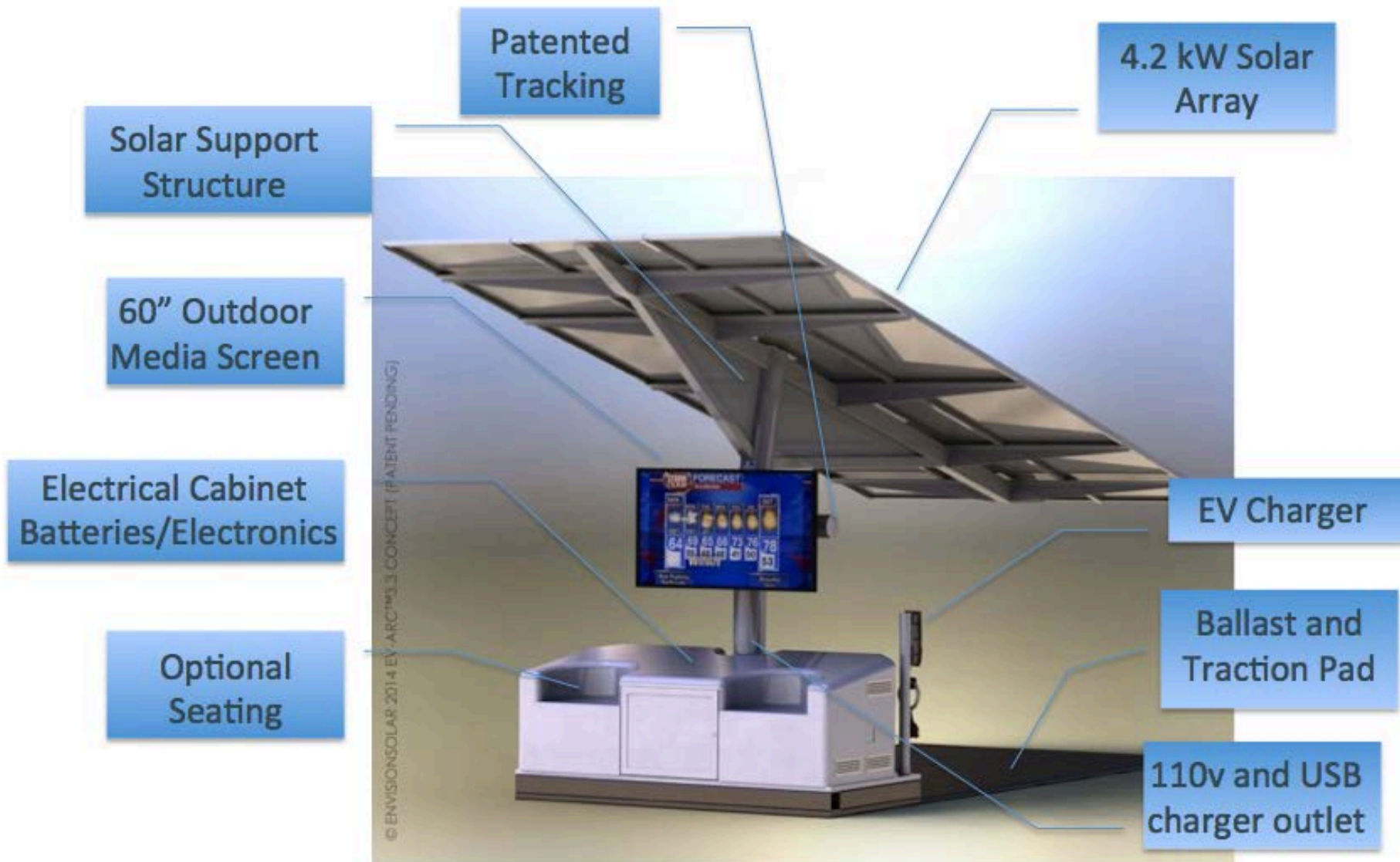


***Delivered to your site ready to charge in minutes – Just drop and charge!***

- ✓ No civil engineering
- ✓ No permitting
- ✓ No construction
- ✓ No foundation
- ✓ No trenching
- ✓ No electrical circuit
- ✓ No transformer / switchgear upgrades
- ✓ No meter
- ✓ No interconnect agreements
- ✓ No utility bills
- ✓ No carbon footprint



# What is a patented EV ARC™?





# EV ARC™ - Alternate Revenue Models



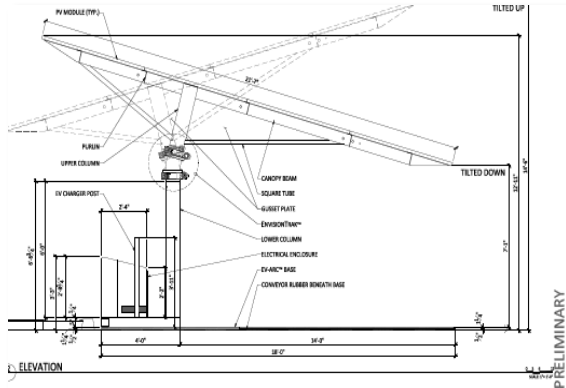
## Highly Visible Ad Panels are a “Green” Platform for Advertisers

What could be better than driving on sunshine? Driving on sunshine for free! Our ad panel equipped EV ARC™ products can generate more than enough revenue to cover the cost of the equipment and create a profitable business opportunity. Give away all the EV charging you can – there is no utility bill and you are making money from your ad panels!





# EV ARC™ - Fits into a Standard Parking Space



Installed in a matter of minutes - ready to charge instantly.

EV ARC™ is ADA compliant and it does not reduce your available parking at all.



EV charging day or night and even during power cuts – with the EV ARC™ you'll never get stranded.

# Solar Tree® Model: HVLC



Delivering 10 to 15 e miles per hour, Level II (240v) chargers offer the perfect solution for workplace, retail and other campus charging. Envision Solar's **Solar Tree® HVLC** offers combinations of Level II and in some instances Level I charging. With up to six Level II chargers per Solar Tree®, this transformative solution will create a shaded, renewably energized EV charging station with limited site disruption and no utility bills. When the solar energy is not charging cars it can be used to reduce your reliance on grid power thus reducing your campuses utility bills and keeping you in business if the power goes out.

Adding our ARC™ technology energy storage, transforms your Solar Tree® into the most reliable source of power available today. Use that power to shave demand charges or save lives when the grid goes down. It's your power and it's always on.



**Solar Tree® HVLC** is hurricane rated and will produce significant amounts of energy even in cloudy or light snow conditions.

\*All dimensions, cost capacity and production numbers are approximate. Discounts for volume TBD

# Solar Tree® Model: DCFC – Remote and Fast Charging



## Standard features \*

- Column Integrated DC Fast Charging
- 22kW DC, 35'X35' array
- Up to 700 e miles per day\*
- 50kW (400v) DC Fast Charger (can be selected by customer)
- 12' standard minimum vertical clearance
- Truss-integrated LED lights (4)
- ARC™ Power Storage Technology (150 kWhs capacity)
- Customizable architectural tapered column
- Color of your choice – Paint or Powder-coat finish
- Rapid installation – 7 days or less
- Up to 30 year warranty on PV and inverters

## Optional features

- EnvisionTrak™ Tracking
- Column mounted LED up-lighting (2-4)
- Branded valance and badging
- Corrosion resistant ACM - aluminum composite ceiling
- Other integrated components:
  - CCTV cameras
  - Wireless Access Points
  - Call Stations
  - Power receptacles



**ISLANDED SYSTEM  
NO GRID REQUIRED**

\*All dimensions, cost capacity and production numbers are approximate. Discounts for volume TBD



# EnvisionTrak™ - Exclusive and Patented



**EnvisionTrak™ increases solar electric generation by up to 25% over conventional fixed arrays.**

**EnvisionTrak™** is specifically designed for parking environments. Tracking array avoids drive aisle obstructions by maintaining lineal alignment over parking area.

**EV ARC™** and **Solar Trees** will find the sun no matter how they're deployed. It doesn't require a perfect E-W southern azimuth orientation.

**EnvisionTrak™** has been described as the *"most reliable, most robust and most cost effective tracking technology in the industry."*

**– San Diego Gas and Electric**



EnvisionTrak™ patented sun tracking technology



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

# EV ARC™ - Real Time Data



## Standard Features

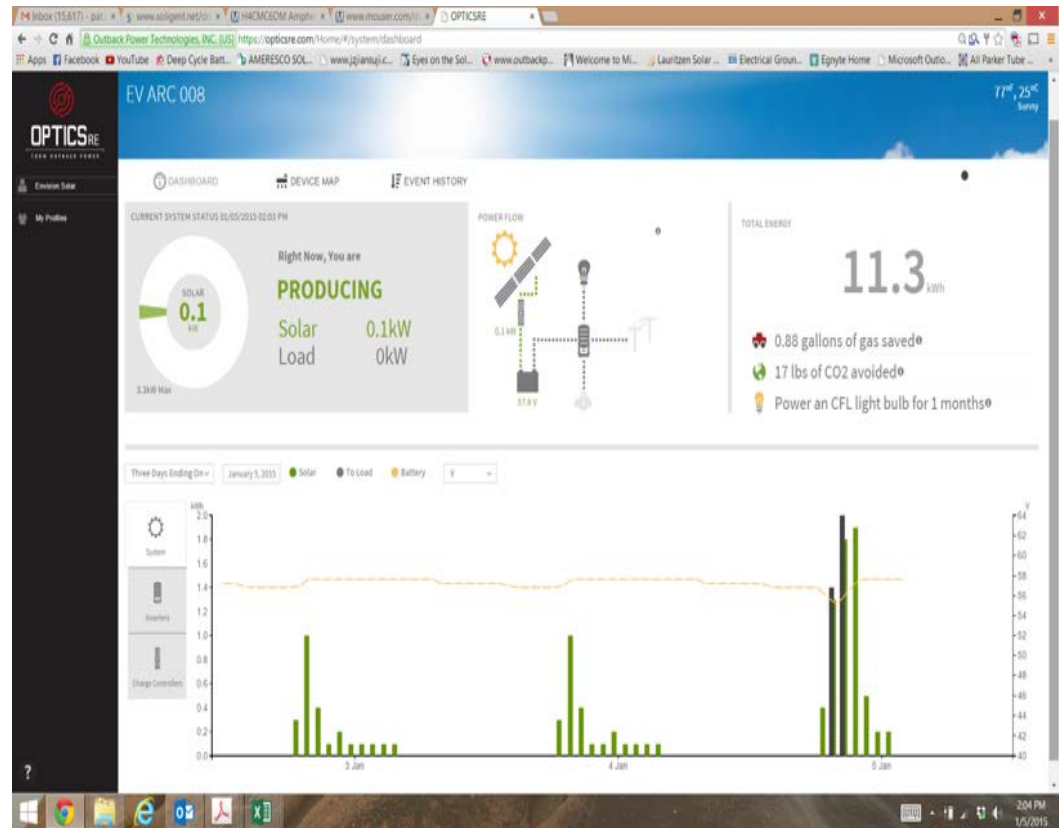
The EV ARCs™ come standard with a wireless\* system which provides real time reporting on:

- state of batteries
- state of PV charging
- amount of discharging

## Optional Features

EV ARCs can also provide the following data as an added option without a networked charger:

- length of charge
- time of charge
- kWh taken etc.



\*Data connection not included, averages \$20 / month

# EV ARC™ and Solar Tree® Energy Storage Asset



Because all our products can store sunlight to work day and night, they are also the perfect source of energy for backup power whenever you need it.

No generator to fuel, no oil changes and no pollution, just the most reliable source of energy available today. It will be there when you need it.



EV ARC™ Energy Storage Enclosure



Our products will keep your lights on when all else has failed.

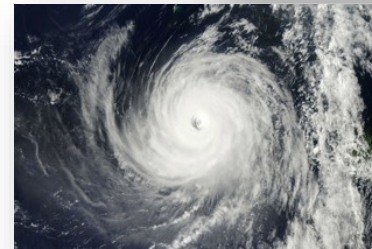


# EV ARC™ and Solar Tree® Disaster Preparedness Assets



## EV ARC™ or Solar Tree® = Energy Security

- Hurricanes
  - Sandy, October 22, 2012
  - Katrina, August 23, 2005
- Earthquakes and other Natural Disasters
  - Fukushima Daiichi, Japan, March 11, 2011
  - Northridge, January 17, 1994
- Terrorism
  - Metcalf Substation, Palo Alto April 16, 2013
- What's next?



Your EV ARC™ or Solar Tree® will continue to generate and store energy even through the worst of times.  
Now that's energy security!

# Envision Solar – Trusted By...





## *Contact a Member of Our Team Today*

Take Advantage of Tax Credits and Other  
Generous Incentives Available Today!

ALL IDEAS, DESIGNS, ARRANGEMENTS, CONCEPTS AND PLANS INDICATED OR REPRESENTED BY THE CONTENTS OF THIS PACKAGE ARE OWNED BY AND THE PROPERTY OF ENVISION SOLAR INTERNATIONAL, INC., AND WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT OR ENVISION'S BUSINESS ACTIVITIES. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS, CONCEPTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF ENVISION SOLAR. FILING THESE DRAWINGS OR SPECIFICATIONS WITH ANY PUBLIC AGENCY IS NOT PUBLICATION OF SAME AND NO COPYING, REPRODUCTION OR USE THEREOF IS PERMISSABLE WITHOUT THE CONSENT OF ENVISION SOLAR. ALL INTELLECTUAL PROPERTY, INCLUDING TRADE NAMES AND TRADEMARKS, WHETHER PROPRIETARY, COPYRIGHTED, PATENTS PENDING, PATENTED, OR OTHERWISE INVENTED, DESIGNED OR ENGINEERED BY ENVISION SOLAR INTERNATIONAL, INC. (THE COMPANY), ARE THE PROPERTY OF THE COMPANY, AND CANNOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE COMPANY. SOLAR TREE®, SOLAR GROVE®, ENVISIONTRAK™, CLEANCHARGE™ AND OTHER BRANDS AND PROPRIETARY DESIGNS OF THE COMPANY, WHEN INCLUDED IN THIS PACKAGE, ARE LICENSED FOR USE RELATED TO THIS PRODUCT ONLY, AND FOR THE CLIENT INDICATED, AND ARE SUBJECT TO THE TERMS OF THE AGREEMENT BETWEEN THE COMPANY AND THE CLIENT. IF NO AGREEMENT EXISTS THE RECIPIENT AGREES THAT IT SHALL NOT USE ANY OF THE ENCLOSED INFORMATION WITHOUT ENVISION SOLAR'S WRITTEN CONSENT. BY RECEIVING THESE DRAWINGS, DATA POINTS, RENDERINGS, IDEAS, CONCEPTS OR OTHER INFORMATION, THE OWNER/RECIPIENT AGREES THAT THESE DRAWINGS AND ASSOCIATED DOCUMENTS ARE ONLY TO BE USED ON PROJECTS WHERE ENVISION SOLAR PERFORMS A MUTUALLY AGREED UPON SCOPE OF WORK OR WITH ENVISION SOLAR'S WRITTEN CONSENT. IN THE EVENT SAID PARTIES DO NOT COME TO AN AGREEMENT ON A SCOPE OF WORK, THEN PERMISSION IS HEREBY DENIED TO USE ANY OF THE DRAWINGS, CALCULATIONS, DESIGNS, MATERIALS, CONCEPTS, ETC. FOR ANY PURPOSE.