



San Diego Zoo

San Diego, CA

San Diego Zoo and SDG & E Collaborate on Solar-to-EV Project

The City of San Diego and Clean Tech San Diego partnered to complete the Solar-to-EV Project – a one-of-a-kind 90-kilowatt solar canopy in the parking lot shared by the San Diego Zoo and Balboa Park. Unveiled by Mayor Jerry Sanders Tuesday November 27th, the system uses a Princeton Power Systems DRI-100, an inverter specifically modified for SDG&E's purpose of allowing fast charging of electric vehicles from renewable sources. The first of its kind in the country, the Solar-to-EV Project allows electric vehicles to operate directly from renewable solar energy, and could prove to be the platform for future sustainable energy solutions.

OPERATIONAL CAPABILITIES & BENEFITS

- Solar powered Electrical Vehicle Charging
- The system consists of (1) Princeton Power Systems 100kW Demand Response Inverter (DRI-100) a 100kWh battery rack, a 90kW PV array, and a DC fast charge plug.
- Reduces peak demand with solar batteries and provides advanced grid functionality
- 59 homes worth of solar energy generation at peak production
- Enables Fast Charging, as little as 30 minutes for recharge for electric vehicles capable of Chademo charging such as the Nissan Leaf

