

Case Study:
Solar Grove™
San Diego, California

“The economic viability of PV systems and their positive impact on our environment represent a significant opportunity for businesses throughout California. By installing this very attractive system on a Kyocera facility, we are setting a new benchmark for commercial PV installations, and leading San Diego into the solar age.”

- **Steve Hill**, President of Kyocera Solar, Inc.

System Specifications

System Size

235 kW AC

Estimated Yearly Power Production

421,000 kWh

System Configuration

Utility Interaction - Grid Connected

Solar Modules - 1400 KC187GS
200 KC88CGS (translucent modules)

Inverters - 2 SMA America Sunny Central SC125U

Batteries - None

Charge Controllers - None

Mount Structure

Unirac Sun Frame mounted on custom painted galvanized steel structure with poured concrete bases.

Financial Incentive

The economic viability of this project is supported by the California Public Utilities Commission's "Self Generation Incentive Program," as well as federal and state tax credits, and a five-year accelerated depreciation schedule.

Unique Feature

Designed as a unique parking lot amenity, the Solar Grove™ fuses function, aesthetics, and sustainability. 25 Solar Trees™ featuring the first use of Kyocera Solar's new translucent KC88CGS modules provide shade for 186 cars.

Location

8611 Balboa Avenue, San Diego, CA 92123

Date Completed

June 2005

Design and Construction Team

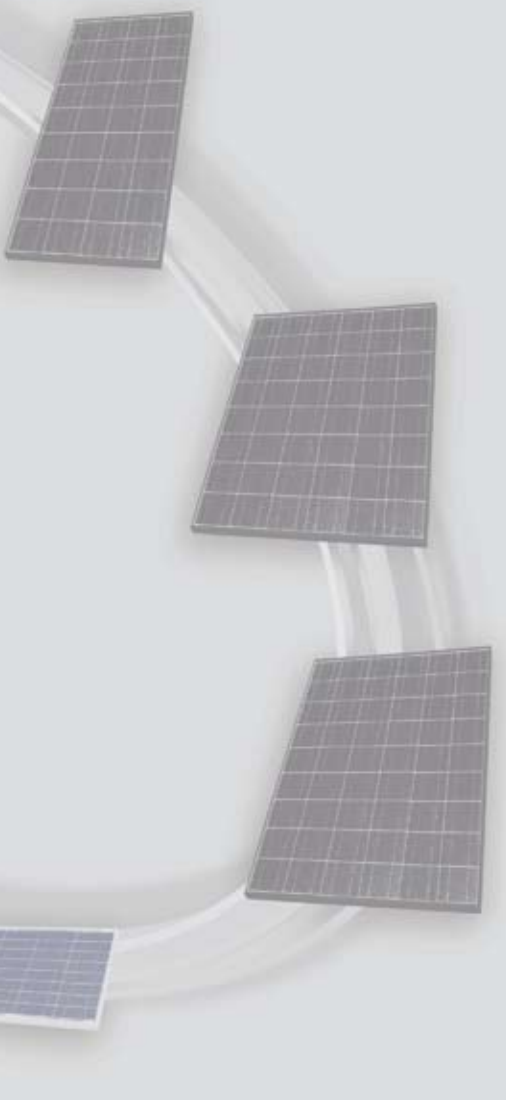
Kyocera Solar, Inc. - Design Build General Contractor

Tucker Sadler - Architect

Midwest General, Inc. - Construction Management



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About Solar Grove

For 30 years, Kyocera has been pushing the forefront of environmental preservation and promoting sustainable growth by providing solar energy to the world. With its newly designed Solar Grove™, Kyocera has harnessed the power of the sun on a grand scale through the use of Solar Trees™. This unique concept models the life process of natural trees by converting sunlight into energy without adding carbon dioxide or other greenhouse gases to the atmosphere — while providing structures that are both shade-producing and aesthetically pleasing.

The Solar Grove consists of 25 Solar Trees with 1,400 Kyocera KC187GS solar photovoltaic (PV) modules and 200 custom-manufactured light-filtering PV modules. With an AC rated output of 235 kilowatts, this solar electric generating facility can produce up to 421,000 kilowatt hours per year — enough to power 68 typical California homes. From the distinctive architectural design to the surrounding landscaping, the Solar Grove exemplifies Kyocera's commitment to promoting harmony between our planet and all living things.

About Kyocera Solar

Kyocera Solar, Inc. is a world-leading supplier of environmentally sound, solar electric energy solutions, with headquarters in Scottsdale, AZ and sales affiliates in Brazil and Australia. Kyocera's expertise is based upon designing, manufacturing, and installing the most technologically advanced solar electric power systems available today. With thousands of successful installations worldwide, Kyocera continues to be the leader in the solar electric industry.

The company is a wholly-owned subsidiary of Kyocera International, Inc. of San Diego, the North American headquarters and holding company for Kyoto, Japan-based Kyocera Corporation (NYSE: KYO).

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