

Case Study:**Specialized Auto**

Santa Cruz, California

“We believe all mankind should consider their role as earth's steward. Not only is solar energy the right ethical choice, it is the smart business choice. Our system pays for itself in seven years through energy savings, then begins to generate positive cash flow as well!”

- **Bob Emmert**, President of Specialized Auto

System Specifications**System Size**

33.75 kw

Utility Usage Offset

100%

Estimated Yearly Power Production

48,000 kWhr

System Configuration**Utility Interaction** - Grid Connected**Solar Modules** - 270 Kyocera KC125**Inverters** - 5 SMA Sunny Boy SB6000U (240 V)**Mount Structure**

Power Rail by Direct Power and Water

Financial Incentive

CEC Emerging Renewables Program \$3.00/W

7.5% CA State Tax Credit

10% Federal Tax Credit

MACRS Accelerated Depreciation

Unique Feature

The Array Mounting Rail L-Bracket supports are attached to the Butler Metal Building with Taptite II engineered fasteners by REMINC. These allowed attachment to the metal roof purlins without the need for inside entry to the building, thus not interrupting the service center bays. SMA supplied the Sunny Boy Control Plus with Net Card to allow remote access for monitoring and data logging of the system. The Sunny Boy Control Plus also sends automatic daily emails of production summary and automatic alert emails if there are any system errors.

Location

2415 Chanticleer Ave, Santa Cruz, CA 95062

Date Completed

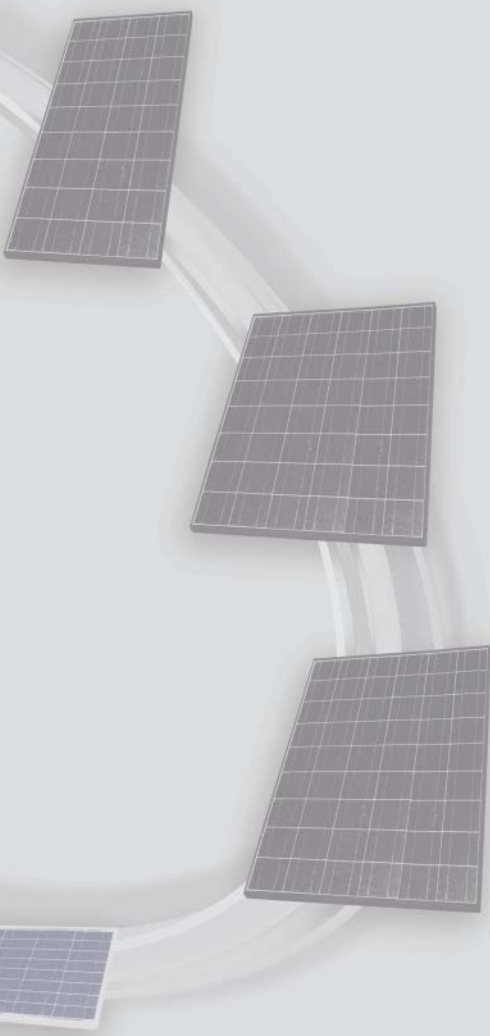
July 2005

Designer/Installer/Contractor

Independent Energy Systems, Inc.



Specialized Auto
Santa Cruz, California



About Independent Energy Systems

Independent Energy Systems specializes in the design and installation of solar electric systems for commercial and residential applications - grid connected and off-grid. Our mission is to provide our friends in the California central coast community an opportunity to become part of the future in renewable energy. We are a single-source supplier committed to making solar electric system ownership easy for our customers. Our turnkey systems include design, financial analysis, permitting, equipment, utility coordination, rebate processing, and expert installation. The design and installation team is led by three NABCEP certified Solar Photovoltaic Installers. We constantly research and utilize the best available technologies, maintain a strong focus on code compliance, and adhere to the highest possible standards of quality in our work. This insures the best possible system performance, and the lasting satisfaction and safety of every single customer we do business with.

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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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