



When it came to Solar, Spottswode Estate Vineyard & Winery chose Premier Power

Background

Spottswode is an historic, family-owned winery renowned for producing classic, refined wines from their organically-farmed estate vineyard. Producing their own electricity with solar was a logical addition to their environmentally friendly practices.

Latest Innovation

Premier Power designed, engineered and installed two separate systems -- the 32.76kW solar system now operates the vineyard's water pump, while the 40.39kW solar system was installed on the roof area of the winery.

Both systems were installed utilizing the latest innovation in solar installation, which is a new solar racking system. With the shared rail system, there is less weight on the roof, fewer roof penetrations and none of the mounting structure is visible because of the new system of clips. This unique design provided improved aesthetics and allowed Spottswode to enjoy all the benefits of solar while maintaining the beautiful architectural design of their estate buildings.

Passion for Environment

With its commitment to solar, Spottswode Estate Vineyard & Winery has further extended its passion for stewardship by integrating environmentally sensitive practices into all aspects of their farming and production.

Project Overview

Project location	St Helena, CA
System Completion	June, 2008
Solar System Type.	Roof Mount
Total System Size	73kW-DC

System Configuration

PV modules used	398 Sharp 180 watt modules
Estimated annual production	102,357kWh

Environmental benefits, annually*

Greenhouse gases reduction (CO ₂)	160,577 lbs
Cars not driven	13.3 cars
Gasoline not consumed	8,267 gallons
Barrels of oil not consumed	169 barrels
Offset CO ₂ emissions from electricity use from homes.	9.6 homes
Offset CO ₂ emissions from the energy use from homes.	6.4 homes

*Source: U.S. Environmental Protection Agency
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>



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