Trinasolar
Smart Energy Together

Colorado State University

USA

Ground-Mount System Using Trina Solar's **TSM-PA05** Multicrystalline Modules

- Long-term reliability
- GHG emissions saved: 6,250 tons
- Best $/kWh

5.3 MW	6,250 tons	23,000	Utility-scale
System	GHG emissions saved	Panels used	System

"Trina Solar has a proven track record, and their demonstrated experience and commitment to their customers made them an excellent choice."
- Mr. Matt Cheney, CEO of Renewable Ventures

When Colorado State University decided to develop a ground-mounted solar power system at their Foothills campus, leading PV developer Fotowatio Renewable Ventures (FRV) selected Trina Solar's multi-crystalline 230W modules. The installation is expected to generate annually over three and half million kilowatthours of electricity, satisfying over 10% of the campus' electricity needs.

The system uses 23,000 Trina Solar models on a 15-acre piece of land near the CSU Foothills campus. It was designed and installed by AMEC, an international engineering and construction company, and the modules are mounted on a Wattsun single-axis tracking system produced by Array Technologies. The inverters were provided by Advanced Energy, a local Fort Collins company.

The project will generate electricity equivalent to the amount used by approximately 2,100 American homes and will reduce greenhouse gas emissions by 6,250 tons.

Colorado State University

Education & Ground-Mount
Solar Power System

LOCATION
Fort Collins, Colorado

TYPE
Utility-Scale Ground-mount Installation

SIZE
5.3 MW

PRODUCT
Trina Solar TSM-PA05 230W Modules

 # OF MODULES
23,000

GHG EMISSIONS SAVED
6,250 tons

COMPLETION DATE
December, 2009

With its reputation for quality and boasting one of the lowest cost structures in the solar PV industry, Trina Solar provides customers with the best $/kWh. For a large-scale PV installation to succeed both as an investment and reliable source of power, developers and project owners must have confidence in every element of the PV system. Having signed a 20-year Purchase Power Agreement with Xcel Energy, Colorado's largest utility, FRV needed to be certain the modules would perform at or above expected levels.

FRV considers Trina modules a sound part of their long-term investment: "We are very pleased to work with Trina Solar on this Colorado State University solar project," said Mr. Matt Cheney, CEO of Renewable Ventures. "Trina Solar has a proven track record, and their demonstrated experience and commitment to their customers made them an excellent choice."

Founded in 1997, Trina Solar is one of the leading PV companies based in China. Fully vertically integrated from ingots to modules in both mono and multicrystalline technologies, Trina Solar offers high quality modules. Listed on the NYSE, it operates worldwide to deliver the best value to its customers.

Trina Solar TSM-PA05 Multicrystalline Module

This is currently Trina Solar's most popular module. Versatile and adaptable, with power output ranging from 220 to 240Wp, the TSM-PA05 panel is perfect for large-scale installations, particularly ground-mounted and commercial rooftop systems. Using reliable and carefully selected components that are tested at the Trina Solar Center of Excellence, this panel comes with a 25-year performance guarantee of 80% power production.

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