

UNI-SOLAR.

# Real Stories



At 500,000 square feet, *UNI-SOLAR's* flexible solar panels power one of the largest roof-mounted solar installations in North America at Tesco's California distribution center.

Shown above: *Tesco / Fresh & Easy's Neighborhood Market™ - Distribution Center*

# Real Stories

TESCO | FRESH & EASY

## PROJECT SUMMARY

Customer: **Tesco | Fresh & Easy Neighborhood Market Distribution Center**

Location: **Riverside, California**

Completion Date: **March 2008**

System Components: **2,456/ea Solar Integrated SI816G1 Solar Panels**

**8/ea SatCon AE-225-60-PVA inverters**

System Peak Capacity: **2,004.096 kW (DC STC)**

## BACKGROUND

Tesco, the fourth largest retail chain in the world, has a strong environmental record. Its Fresh & Easy Neighborhood Markets use 30% less energy than a typical supermarket. To continue its mission of sustainability and lessen its energy bill in a time of rising energy costs, Tesco choose to invest in a rooftop solar system for its Fresh & Easy distribution center in Riverside, California.

## SOLUTION

UNI-SOLAR's thin, lightweight and building-integrated solar panels were a perfect solution for the 820,400 square-foot-distribution center. At 500,000 square feet, the solar panel installation by UNI-SOLAR is the size of five football fields and is considered to be one of the largest roof-mounted solar installations in North America.

Rated at 2,693 MWh per annum, the system is currently generating up to 50% of the distribution center's power requirements on a daily basis. Tesco's Fresh & Easy is so proud of its green roof that it provides a live feed of the solar panel's energy output that can be viewed 24 hours a day on its web site at [freshandeasy.com/GreenBuilding.aspx](http://freshandeasy.com/GreenBuilding.aspx).

## BENEFITS

- > To date, the system has provided more than 6,262 MWh of energy – enough to power more than 895 typical homes, 12,525 televisions, 6,262 refrigerators or 29,821 light bulbs.
- > The UNI-SOLAR powered roof generates up to 50% of the building's power requirements on a daily basis.
- > Tesco will save its community from more than 4,500 tons of CO<sub>2</sub> emissions over the distribution center's lifetime.

