

# Shoe Show Corporate Headquarters

The largest independent shoe retailer gains one of the largest commercial rooftop solar projects in the US.



## PROJECT AT A GLANCE

**Project Type:**

Large commercial rooftop solar system

**Location:**

Concord, North Carolina

**Commissioned:**

January 2012

**Number of Buildings:**

One, 1,000,000 ft<sup>2</sup> (304,800 m<sup>2</sup>)

**Project Size:**

5.2 MW

**Energy Generated:**

6.7 million kWh per year

**Applications:**

- GT500 MVX grid-tie solar inverters (9 total)
- Square D™ DC combiner boxes
- SCADA solution

**Partner:**

SunEnergy1



Founded in 1960 in Kannapolis, NC, Shoe Show, Inc. is the largest independent shoe retailer in the U.S. with 1,132 locations in 37 states. Shoe Show, Inc. installed a 5.2 MW rooftop solar system at its corporate headquarters — one of the largest rooftop solar systems installed in the U.S.

Shoe Show, Inc. entered into a power purchase agreement with Duke Energy, who will purchase all of the power generated from the system as a part of their renewable and clean energy initiatives. This solar installation is projected to generate 6.7 million kWh/year — enough clean energy to fully power approximately 600 homes.

Schneider Electric was chosen by SunEnergy1 to supply nine Schneider Electric™ GT500 MVX grid-tie solar inverters. SunEnergy1 is a full-service solar technology company. It chose Schneider Electric because of its ability to supply other key solar system components and because “the sheer strength and integrity of the Schneider Electric company is head and shoulders above the competition. Your inverter is the heart and soul of your photovoltaic system, you simply can’t afford anything but the best,” said Kenny Habul, CEO, SunEnergy1.

The GT500 MVX inverters are designed for large-scale UL® compliant 600 Vdc utility power plant applications, but were chosen for this rooftop project due to the solar array being tied directly to the utility’s medium-voltage grid rather than being routed through the building’s low-voltage distribution system. The GT500 MVX is a high-efficiency inverter which incorporates an advanced maximum power point tracking (MPPT) algorithm to maximize the energy harvested from a PV array. Higher inverter reliability can help reduce system downtime resulting in higher energy production.



Download this brochure today to learn how Schneider Electric can be your trusted solar partner. Visit [www.SEreply.com](http://www.SEreply.com) and enter key code **y926v**.

Make the most of your energy<sup>SM</sup>

