



STC Warehouse Inc. is a second-generation warehousing, distribution, and logistics firm with locations in St. Louis, MO; Columbus, OH; and Nashville, IL. They provide public and contract warehousing, carton stapling, and carton stitching for companies such as Anheuser-Busch. To offset energy usage and costs, STC installed solar arrays in both the St. Louis, MO and Nashville, IL locations with this particular spotlight focusing on the larger facility in St. Louis, MO.

INSTALLATION DETAILS

STC's solar array has an estimated production of 203,165 kWh's, provided by 386 Axitec 370w modules, one SolarEdge 100 kW inverter, paired with two Solar Edge 20 kW's inverters. It's mounted on a flat roof, using a tilt in the racking to get optimum sunlight exposure. Various rebates and incentives dramatically lower the install cost and make for a quicker payback period.



STC Warehouse

PROJECT DETAILS

Building Size:	294,000 sq. ft.
Solar Equipment:	DC System Size: 142.82 kW AC System Size: 140 kW Modules: 386 Axitec 370W Inverters: 1 SolarEdge 100kW, 2 SolarEdge 20kW Ecolibrium Racking
Energy offset:	40%
Estimated annual production:	203,165 kW
Contractor / Installer:	StraightUp Solar
Utility Company:	Ameren Missouri
Savings:	30-Year Electric Bill Savings: \$831,440 Payback Period: 5.4 years Breakdown of Rebates and Incentives:

Ameren MO \$0.25 PV Rebate; Business Energy Investment Tax Credit (ITC), providing eligibility to receive a tax credit in the amount of 30%; and 100% bonus depreciation under the Tax Reform Bill; and MACRS – Missouri, in which businesses may recover investments in certain property through depreciation deductions.

 CONSTRUCTION TYPE
Retrofit

 POWER PRODUCTION
203,165 kW

