

Grid-Tied Commercial System

Cox Communications Solar Power Installation in Avondale, AZ



This 75kW solar PV structure for Cox Communications is the first commercial grid-tied solar installation in the city of Avondale, AZ. The system provides clean, low-cost power for onsite business operations.

The Cox Avondale installation is comprised of two systems and features a total of 276, 175kW PV panels. By integrating three elevated solar racking structures, the systems cover 57 parking spaces and offer a dual benefit: protection from the elements and additional space for future PV panel installations. The systems generate more than 115,000kWh per year combined, enough to power 11 homes and prevent the emissions of more than 142,000lbs. of CO₂ annually. Project construction took less than three months to complete, with all permitting and logistics coordinated by the Alpha Energy project management team.

With a reputation for competitive pricing, innovative engineering and unrivaled system performance, Alpha Energy produced a system to meet Cox's objective of maximum electricity at a minimal cost.

System Specifications	
Number of Solar Systems:	2
Number of Structures:	2
System Power:	75kW
PV Array:	(256) 175W modules
Solar Inverters:	(2) 30W and (3) 7kW

