

Grid-Tied Solar System

Arizona Air National Guard in Phoenix, AZ



This 16.8kW solar power system is installed on an Alpha parking structure at the Arizona Air National Guard station in Phoenix, AZ.

This system includes one hundred 175W modules and three 5,000W solar inverters. By installing a new parking structure, the Arizona Air National Guard (AANG) was able to satisfy two objectives:

The primary objective was to provide space for the solar panels, the electrical output of which will be used to support the back offices of their main facility and that of the facilities manager.

A secondary objective was to provide parking protection for up to 16 vehicles. This system will significantly reduce the amount of power needed by both buildings.

This solar system will produce 29,500kWh per year, offsetting more than 46,000lbs of CO₂ annually.

System Specifications

System Power:	16.8kW
PV Array:	(100) 175W Modules
Solar Inverter:	(3) 5000W

