

Grid-Tied Solar System

Municipal Complex in Loma Linda, CA



The 267kW solar power system provides more than 430MWh of electricity annually—enough to power 35 homes.

The Loma Linda solar power system includes four independent systems generating energy for the local civic center, fire station, library and senior center. The 1,600 solar panels installed on buildings and carports are inconspicuous but still visible to the general public.

The system's reloaded performance is by an advanced status monitoring system that transforms raw energy data into a dynamic dashboard view. This interface provides live and historical views of the energy being produced, consumed and returned to the grid.

The solar system reduces thousands of pounds of carbon dioxide emissions annually that would have been produced by coal or gas fired power plants. Gas emissions from coal or gas fired power plants can lead to smog, acid rain, haze and ultimately increase the risk of climate change.

System Specifications	
System Power:	267kW
Number of Independent Systems:	4
PV Array:	(1600) SHARP NE-170U1 modules, 170W, 24VDC
System Maintenance:	Quarterly, biannually and annually
Status Monitoring:	<ul style="list-style-type: none">Creates a user friendly interfaceTransforms raw data into understandable numbers and graphicsProvides live and historic system performanceDisplays the amount of energy produced, consumed and returned to the grid.

