

# Grid-Tied Hybrid Power System

Solar Power Installation for Alpha Technologies GmbH in Germany



**A worldwide provider of turn-key solar power system installations, Alpha commissioned a grid-tied photovoltaic system on the rooftop of its Schwabach warehouse facility in Germany as part of an effort to demonstrate Alpha's own commitment to green practices.**

The south side of the warehouse roof includes 220, monocrystalline photovoltaic panels and the north side features 16 Thinfilm modules connected by six, 5-8kW inverters.

Combined, both systems will generate a total of 40,500 kWh per year, which is roughly the amount required to power five homes. The resulting CO<sub>2</sub> offset of 52,600 lbs or 23.8 tons is equivalent to preventing the emissions of more than four cars.

One of the nation's leading developers of turn-key photovoltaic systems for commercial, institutional and remote applications, Alpha Energy is recognized as a market innovator in packaging renewable energy technologies.

System Specifications	
System Voltage:	42kW
PV Array:	(220) 170W modules, (16) 228W Thinfilm modules
Solar Inverter:	(3) 5kW and (3) 8kW
System Maintenance:	Self cleaning, as more than 7° steep

