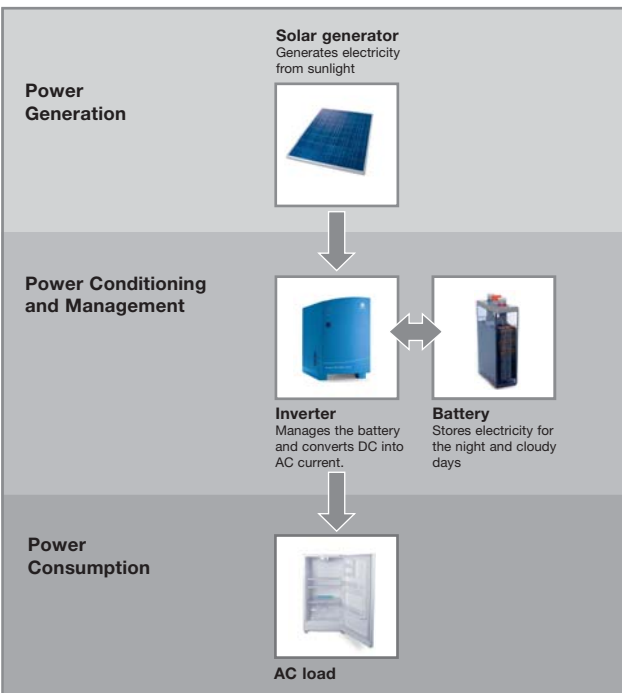


Solar Off-grid power for Philippine farm



In 1995 the convent “Augustinian Sisters of Our Lady of Consolation” offered their remote land in Bacolod/ Philippines to the Asian Rural Institute. Since then the Institute operates a farm on the premises and sells milk and other agricultural commodities. As the farm is not connected to a public power grid, the Institute decided to use a reliable and economic solar Off-grid system. It provides electricity to the refrigerator which preserves the milk before delivery to the market, to the phone which is essential for communication with customers and suppliers as well as to lights and radio.

Data

Construction date	2002
Location	Bacolod City, Negros Occidental, Philippines
Customer	Asian Rural Institute
Power generation	960 Wp solar generator
Power conditioning and management	1.5 kW inverter, 11 kWh battery bank (225 Ah / 48 V)
Power consumption	Lights, communication and refrigeration