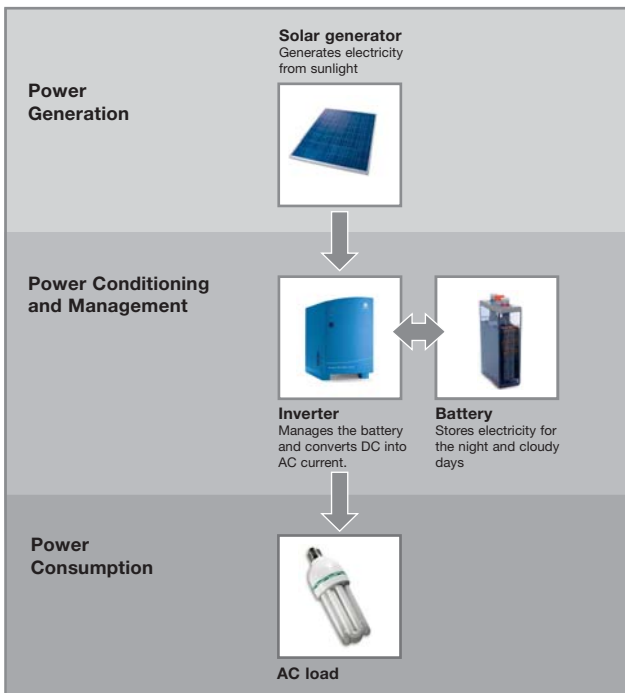


Solar Off-grid power for Philippine school



Off-grid systems are a reliable, economical and clean solution for power supply in areas that cannot be served by a public power grid. A solar Off-grid system provides electricity to this school building in Pulupandan/ Philippines. 300 Wp solar modules generate enough energy to power lighting, ventilation and audio/visual equipment. The project was made possible with the assistance of Greenpeace and the Alumni Association of the school. It has positive economic and social effects on the whole community. Since a diesel generator can be renounced the Off-grid system also benefits the environment by avoiding noise and air pollution and creates independence from rising fuel costs.

Data

Construction date	2001
Location	Pulupandan, Negros Occidental, Philippines
Customer	Our Lady of Lourdes Academy
Power generation	300 Wp solar generator
Power conditioning and management	1.5 kW inverter, 11 kWh battery bank (225 Ah/ 48 V)
Power consumption	Supply of lights, fans and audio/visual educational system for school building