

Solar for Schools Case Study



Autonomous Energy



WENONA SCHOOL

In April 2009 Autonomous Energy installed a 6kW solar power system at Wenona, one of Sydney's leading schools for girls with nearly 1,000 students. This system is one of the first solar photovoltaic (PV) systems in Sydney installed under the Commonwealth Government's National Solar Schools Program. The system comprises 30 high efficiency 205W multi-crystalline PV solar modules manufactured by Kyocera. The array is mounted on engineered, solar specific mounting frames and is connected to an SMA SMC6000A inverter via heavy duty USE2 DC solar cable. The inverter connects to the electricity network via a digital bi-directional meter. The inverter is also connected to the internet via a data logger which automatically uploads the solar power systems energy production data to a dedicated website where it can be accessed by students and the school community.



"Autonomous Energy assisted us with each part of the process, from the grant application process through to installation and the NSSP 'Reporting and Acquittal' requirements. We found them at all times to be good to deal with, helpful and professional. If you want to work with a company that manages the process from beginning to end, in a way that gets the best result for the school, I would recommend working with Autonomous Energy."

Vern Smith, Property and Maintenance Manager, Wenona

System Size (kilowatts)	6.15 kW
Annual Energy Production (kilowatt hours)	9,729 kWh
Annual Emissions Reduction (tonnes CO ₂ equivalent)	10.3 t CO₂-e
Roof Space (square meters)	45 m²





Frames



Inverter



6kW PV Array - fully installed

CONTACT US

To install solar
at your school today



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