

Renewable Energy and Environmentally Sustainable Design Case Studies

Vermont Childcare Centre - GIPV

Site:

Vermont, Melbourne, Victoria

Dates:

- System Design: March 2011
- System Installation: June 2011
- System Commissioned: July 2011

Client:

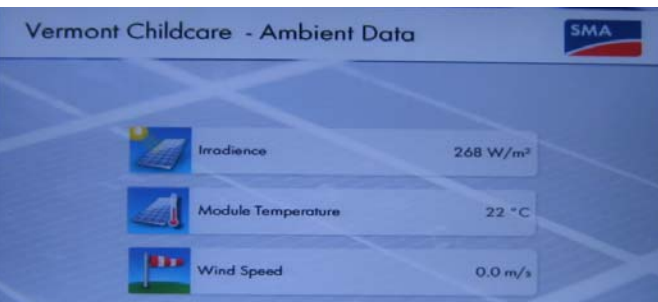
City of Whitehorse

Project Goals:

Design, supply and install a grid-connected power system for a community building.

Project Features:

- Roof-mounted photovoltaic array consisting of 27 x 185W Schott Solar mono PV panels.
- SMA 5000TL Inverter.
- SMA Sensor Box to monitor solar radiation, wind speed and ambient air temperature.
- All critical system information is visible to the staff, children and parents who visit the site via a 32" TV in the entrance area.
- Complete system documentation including maintenance schedule and log sheets.
- System Size: 4995 W
- Expected Average Output: 18.95kWh/day



Project Team:

- Warwick Tullio, System Designer, Going Solar
- Duncan McGregor, Lead Installer, Going Solar
- Mark Colwell, Installer, Going Solar
- Andy Savage, Installer, Going Solar
- Glenn Robertson, Electrician

Further Information:

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PV Panels on Roof



Isolating Switch

Right:
Inverter
and
Isolating
Switches



Left:
Detail of
Display
Screen



Safety Signage