

Renewable Energy and Environmentally Sustainable Design Case Studies

Warehouse - GIPV

Site:

Laverton North, Melbourne, Victoria

Dates:

- System Design: May 2011
- System Installation: November 2011
- System Commissioned: December 2011

Client:

Commercial Client

Project Goals:

Design, supply and install a grid-connected (GIPV) power system for large warehouse.

Project Features:

- Roof-mounted photovoltaic array consisting of 180 x 100W Schott Solar Thin Film PV panels.
- 3 x SMA Sunny Mini Central 6000A Inverters
- Complete system documentation.
- System size: 18,000 W

Project Team:

- Warwick Tullio, System Designer, Going Solar
- Liam Shellard, Project Co-ordinator, Going Solar
- Duncan Macgregor, Lead Installer, Going Solar
- Mark Colwell, Installer, Going Solar
- Andy Savage, Installer, Going Solar
- Glenn Robertson, Electrical Contractor

Further Information:

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PV Panels on Roof



Framing Support Rails



Frame Support and Cable Conduit



Left:
Back of Panels,
Mounting Frame,
String Fusing
Box,
DC Isolator &
Cable Conduit

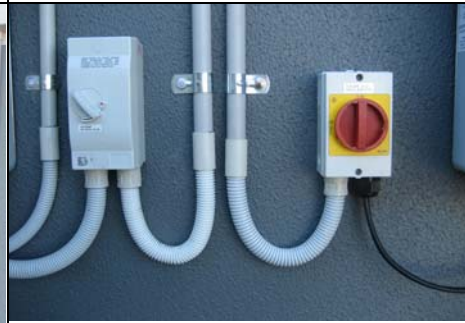
Right: Detail of
DC Isolator and
Cable Conduit



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Left & Right:
Schott Thin Film Solar Panels



Above: Switch & Cable Detail
Left: Inverters and Switches



Above: Ambient Data Centre
Left: Wind Anemometer



Above: Communications Equipment
Right: Safety Signage

