


HW27 Medina High School solar PV	Installation details
	<p>Owner: <b>Isle of Wight Council/Medina HS</b></p> <p>Site address: <b>Medina High School Fairlee Road Newport Isle of Wight PO30 2DX</b></p> <p>Grid reference: <b>SZ507904</b></p> <p>Local authority: <b>Isle of Wight Council</b></p> <p>Renewable energy category: <b>Solar PV</b></p> <p>Status: <b>Operational</b></p> <p>Date: <b>September 2004</b></p>
Technical information	Socio-economic & environmental data
<p>Technology type: <b>Solar photovoltaic roof</b></p> <p>Manufacturer / Installer: <b>Unisolar / ICB Alwitra</b>  <a href="http://uni-solar.com">uni-solar.com</a></p> <p>Energy input: -</p> <p>Consumption rate: -</p> <p>Installed capacity: <b>Electric: 13.8 kWe</b>  <b>Heat: -</b></p> <p>Annual energy output: <b>Electric: 12.65 MWh/year</b>  <b>Heat: -</b></p> <p>Supplying energy to: <b>Electric: School 100%</b>  <b>Heat: -</b></p>	<p>Main driver: <b>Promote renewables through local example; provide educational resource</b></p> <p>Social benefits: <b>Education; contributes to benefits of Island Renewable Energy Strategy</b></p> <p>Jobs created/sustained: <b>Directly: -</b>  <b>Indirectly: -</b></p> <p>New business startups: -</p> <p>Financial benefits: <b>£538/year</b></p> <p>Capital cost (inc grant funding + body): <b>£75,956 (£42,920 DTI PV Major Demo. Programme</b></p> <p>Likely fossil fuel alternative: <b>Electricity from grid</b></p> <p>Greenhouse gas emissions displaced: <b>5.4 tonnes CO<sub>2</sub>/year</b></p> <p>Equivalent no. of homes supplied: <b>Electricity: 2.6</b>  <b>Heat: -</b></p>