



Sustainable homes should use what the environment offers to us for free - sun for heating and energy, breezes for cooling, and natural daylight to reduce lighting. Sufficient sunlight falls on Australia to provide the nation's total energy needs. With a few photovoltaic modules the homeowner can capture some of this abundant energy for use in the home, and also to export any surplus electricity back into the grid.

Solar panels produce more energy when pointed directly at the sun, which is why you will find the panels on this home on its north facing roof. This home has been fitted with a 3KW solar array, and this is the 'inverter' for the solar system, converting DC (direct current) into AC (alternating current)

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