



Solar Panel Cleaning, Maintenance and Installation

If your solar system has low energy output, it may be because that your solar panels need cleaning or your inverter is becoming out-dated. Regular service and maintenance is important for the safety and protection of your home.

Who are we?

Environmental Energy Solar

is a family-owned business specializing in domestic and commercial solar panel cleaning, maintenance and installation.

Pricing

Solar panel Cleaning: \$15/per panel (single storey house); \$20/per panel (double storey house); minimum \$200 for one job.

Maintenance Service: \$150, DC Isolator Replacement \$100/each Inverter Replacement or installing solar system: Based on brand of inverter and panels

Contact us

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Why do I need to clean my solar panels?

Dust not only reduces the radiation on the solar cell, but also changes the angle of incidence of sun's radiation. Research shows that on average, around 4.4% of daily energy can be lost due to dust accumulated on the surface of the solar panels (Zorrilla-Casanova et al., 2011). In cases when there are long periods of time without rain, the daily loss can be up to 20% (Zorrilla-Casanova et al., 2011).

Why do I need to change my Inverter?

So far, system level testing confirms that most inverters have a minimum of 80% reliability over 10 years of use (Sanaie & Schenkelberg, 2013). An inverter's lifetime is usually less than 15 years and over time, the efficiency of the Inverter also decreases (National Renewable Energy Laboratory, 2016). Large amount of electricity can become lost due to an inefficient inverter.

Why do I need regular maintenance of the DC Isolator?

The DC Isolator may be exposed under the sun or weather for long periods of time after installation. Water leak into the system through the openings on the isolator, leading to a short circuit or even fire. As seen in the photograph above, the DC isolator is completely destroyed after a fire.

For more details, please refer to our website:
<http://www.environmentalenergysolar.com.au/>

