



Maintenance Guidelines

The solar PV panels work best when clean. If the angle of the PV module is 10 degrees or more, normal rainfall is sufficient to keep the module glass surface clean under most weather conditions. If they do become excessively soiled, the panels only require the use of plain water at mains pressure or less. DO NOT use ANY high-pressure cleaner or chemical cleaning product on the surface of the solar panels. Particular care must be taken to ensure all electric components, such as cables, connectors, generator junction boxes etc. remain dry. NEVER wash the solar panels while they are hot! Cold water on hot solar panels may cause the glass to shatter. Solar panels may be hot even when it is cloudy. The temperature of the solar panel can reach over 70°C. DT Electrical strongly recommend that you avoid climbing onto the roof and use the services of a qualified professional who is trained in occupational health and safety procedures.

Shading of the solar PV panels will affect efficiency and performance. Plant and tree growth that may cause shading at various times of the year, should be monitored and dealt with as required. Likewise, leaves, bird droppings and other debris coming to rest either on or around the solar PV panels should be carefully removed.

There are no user serviceable parts in the system. Under no circumstances should the solar inverter be opened or unplugged.

We recommend that your system is inspected by a Clean Energy Council Accredited Installer every 2 years.

To confirm the operation of your system, check your inverter display or monitoring device while full sun is shining on your panels.

Safety Notes

IMPORTANT: DO NOT ATTEMPT TO SERVICE THE SYSTEM UNLESS YOU ARE FULLY QUALIFIED TO DO SO. TO SERVICE ANY ELECTRICAL CONNECTION YOU MUST BE A LICENSED ELECTRICIAN.

- ▶ All service work must be carried out in strict compliance with all local and national electrical regulations and standards.
- ▶ Review and follow all safety instructions supplied with all components of your solar PV system. Further information can be found at <http://www.cleanenergycouncil.org.au>
- ▶ Do not attempt to clean or come in contact with the surface of a solar PV panel with broken glass. This could result in a dangerous electric shock.
- ▶ Be aware that power may be present at any point in electrical circuits despite the opening of circuit breakers or isolators.
- ▶ Circuit breakers can trip automatically if problems occur. If the circuit breaker is switched back to the closed or "on" position and it immediately trips back to the open or "off" position, there is a problem.
- ▶ Do not substitute materials supplied with the solar PV system installed by DT Electrical.
- ▶ Appropriate precautions must be taken when working on rooftops or at heights in accordance with local and national occupational health and safety regulations.
- ▶ To avoid risk of injury, DT Electrical strongly recommend the services of a qualified professional who is trained in occupational health and safety procedures, to clean solar PV panels.

IF YOU HAVE ANY QUESTIONS OR WISH TO BOOK A MAINTENANCE INSPECTION ON YOUR SOLAR PV SYSTEM, PLEASE CONTACT OUR OFFICE ON 0457 772 977.