

SOLAR PANEL CLEANING & MAINTENANCE SERVICE

Dirty panels can reduce output by up to 25%

Your solar power system is a significant investment so to ensure maximum output and optimal performance of your solar panels it is recommended they be cleaned on a regular basis.

How regular can depend on where you live and your exposure to atmospheric conditions. Whilst rain will self-clean the panels to some degree, you can't rely on this alone.

Over time there can be a build up of various substances including:

- Dirt/grime
- Pollen
- Bird/animal droppings
- Atmospheric pollution e.g. exhaust emission)
- Sap from trees
- Ocean salt deposit (coastal areas)
- Fungus

BENEFITS OF REGULAR MAINTENANCE

- Maintain maximum output
- Protect your investment
- Accelerate your return on investment
- Ensure you don't void your warranty
- Identify potential system problems early (maintain wiring/system integrity)



Clean Energy Council

MEMBER



Climbing on a roof can be dangerous . . .



...to avoid this let our **experienced** and **fully insured** tradesmen take care of it for you.

We are fully accredited Clean Energy Council installers so you have peace of mind your roof and solar panels are in safe hands.

WHAT DOES OUR SERVICE INCLUDE?

Our cleaning & maintenance service is conducted in accordance with Australian/New Zealand standards (AS/NZ 5033:2005 Standards- Installation of PV Arrays).

A full condition report is provided upon completion of the service/maintenance.

MAINTENANCE - ACTION	RESPONSE ACTION
PV MODULES: <ul style="list-style-type: none">• Check for debris such as dirt, grime, fungus etc.• Check for defects such as fractures, moisture penetration, discolouration, frame corrosion etc.• Check both sides of modules for signs of electrical faults• Check underside for holes or damage to the backing• Check module wiring is securely fastened to module frame• Check for PV array shading caused by vegetation growth or new construction	Clean site and/or panels as required Report on condition
INVERTER: <ul style="list-style-type: none">• Check inverter housing fan intake vent for dust• Check for proper operation and/or error messages WIRING INSTALLATION: <p>Check for</p> <ul style="list-style-type: none">• Tightness of connections• Water accumulation/build up• Integrity of lid seals• Integrity of cable entrance and/or conduit sealing• Integrity of clamping devices <p>Check earthing connections for</p> <ul style="list-style-type: none">• Tightness of connections and corrosion ELECTRICAL CHARACTERISTICS: <ul style="list-style-type: none">• Measure open circuit voltages• Measure short circuit currents PROTECTIVE DEVICES: <ul style="list-style-type: none">• Verify integrity of fuses• Verify operation of CB's and RCD's• Verify operation of earth fault protection system• Verify operation of solar array isolation device	Clean/rectify as required Report on condition
MOUNTING STRUCTURES: <ul style="list-style-type: none">• Verify tightness and integrity of bolts and other fastening devices• Inspect for corrosion	Rectify as required Report on condition

call 02 4962 2466
www.adtecheco.com.au