

**BAUDER**



# GENERAL MAINTENANCE

PHOTOVOLTAIC SYSTEMS

BauderSOLAR

## BAUDERSOLAR MAINTENANCE

The BauderSOLAR array should be maintained by trained professionals at fixed intervals (it is recommended that an inspection is carried out annually.) The following points should be checked in the process:

- Dirt on the modules: Type and degree of dirt
- Security of the anchoring system including fixings and safety pins
- Condition of visible cable connectors

### Maintaining the solar modules

#### Module maintenance

Please follow module manufacturer's guidelines for specific maintenance requirements. If you are unsure regarding any aspect of maintenance please contact the Bauder technical office to discuss requirements.

#### Module cleaning

Please note that cleaning the modules can increase yield. This particularly applies to dirt caused by fallen leaves or bird droppings, which could lead to partial shading. Yield decreases due to snow are negligible since these take place during seasons of lowest yield.

With the passage of time, dirt and dust may accumulate on the glass surface of the module, reducing the power output of the module. We recommend regular cleaning of modules to ensure maximum power output, especially in low rainfall areas.

Modules should be cleaned regularly using warm water. All types of soft foam materials, non-woven fabrics, soft sponges and soft brushes may be used.

Please avoid using the following methods:

- Do not use bare fingers or hands without gloves to touch or handle the glass surface of modules. Wear clean gloves to prevent fingerprints and other dirt from staying on the glass.
- It is not recommended to use metal tools such as blades, knives, steel wool and other abrasive materials.
- Do not use abrasive cleaners, such as pad brushes when cleaning the modules. When using high pressure washers ensure to keep a minimum distance of 50cm from the surface of the module.
- Do not use abrasive powders, abrasive cleaners, scrubber cleaners, polishers, sodium hydroxide, benzene, nitro-thinners, acid or alkali and other chemical substances

#### Maintaining the mounting system

The PV array should only be maintained by trained professionals at fixed intervals. A minimum of every 3 years is recommended. The following points should be checked in the process:

- Security of the anchoring system

- Functionality of the electrical connections
- Measurement of string voltage and currents
- Integrity of the roof membrane.