

How to install a solar photovoltaic system?

The installer should conform to all the safety precautions listed in this guide when installing the module. Local codes should also be followed in such installations. Before installing a solar photovoltaic system, the installer should become familiar with the mechanical and electrical requirement for such a system.

Who should install a solar panel?

All electrical installation and procedures should be conducted by a licensed electrician or solar contractor. Routine maintenance of a module or panel shall not involve breaking or disturbing the bonding path of the system. All work must comply with national, state and local installation procedures, product and safety standards.

How should a PV system be designed & installed?

From the outset, the designer and installer of a PV system must consider the potential hazards carefully, and systematically devise methods to minimise the risks. This will include both mitigating potential hazards present during and after the installation phase.

Are there any UK standards relating to a PV installation?

While many UK standards apply in general terms, at the time of writing there is still relatively little which specifically relates to a PV installation. However, there are two documents which specifically relate to the installation of these systems that are of particular relevance:

Which direction should a photovoltaic module be installed?

When installing photovoltaic modules in the northern Hemisphere, the optimal installation direction of the module is to face south; When installing photovoltaic modules in the Southern Hemisphere, the optimal installation direction of the module is to face north. Serial connected PV modules should be installed in the same orientation and Angle.

What is a roof mounted photovoltaic system guidance?

The guidance refers only to the mechanical installation of roof mounted integrated and stand-off photovoltaic systems; it provides best practice guidance on installation requirements and does not constitute fixing instructions.

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