

What is a solar PV module?

**Solar PV Module** A solar PV module is a device in which several solar cells are connected together. Cell efficiency - 10 to 25% This power is not enough for home use. Solar PV array de MW. IPV V module\_\_Interconnection of solar cells into solar PV modules

How do JA Solar modules work?

The junction boxes used with JA Solar modules contain bypass diodes wired in parallel with the PV cell strings. In the case of partial shading, the diodes bypass the current generated by the non-shaded cells, thereby limiting module heating and performance losses. Bypass diodes are not over-current protection devices.

What is included in the JA Solar installation manual?

Thank you for choosing JA SOLAR modules! This Installation Manual contains essential information for electrical and mechanical installation that you must know before handling, installing JA Solar Modules. This Manual also contains safety information you need to be familiar with.

Can JA Solar modules be installed on a roof?

JA solar modules have been listed as Class A according to IEC 61730-2 standard. For roof installations, modules should be mounted over a fire resistant covering suitable for this application, with adequate ventilation between the module backsheet and the mounting surface. Roof constructions and installations may affect the fire safety of building.

What is included in a solar installation manual?

This installation manual contains important electrical and mechanical installation information as well as safety information that you must be familiar with, providing important safety instructions for the installation, use and maintenance of solar modules.

How do you mount a PV module?

Mounting rails run perpendicularly to the long frame side. Bolting on the long frame side using four mounting holes. Mounting rails run perpendicularly to the long frame side. Do not make modifications to any components of the PV module (diode, junction box, plug connectors or others).



# Solar power generation module disassembly and assembly

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