



# Solar power module disassembly and assembly tutorial

How to assemble a solar panel?

So, except plates, you also need some tin, iron and a soldering pencil. Take a notice: it's better not to use tin overmuch. Make sure joints are soldered proper and good. After all needed details have been prepared, you can start to assemble your solar panel. After working soldering spots with a special pencil, use the iron to apply tin carefully.

How to clean a solar module?

Conduct the cleaning activities avoiding the hottest hours of the day, in order to avoid thermal stress on the module. Canadian Solar recommends cleaning the soft dirt (like dust) on modules just with air pressure. This technique can be applied as long as the method is efficient enough considering the existing conditions.

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 modules 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.

What happens if a PV module is not installed correctly?

Failure to follow these instructions may result in death, injury or property damage. The installation and handling of PV modules require professional skills and should only be performed by qualified professionals. The installers must inform end-users (consumers) the aforesaid information accordingly.

Do you need a professional to install a PV module?

The installation and handling of PV modules require professional skills and should only be performed by qualified professionals. The installers must inform end-users (consumers) the aforesaid information accordingly. The word "module" or "PV module" used in this manual refers to one or more CS-series solar modules.



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