

## SolarTech Power Solutions

# Solar Panel Super Factory



## Overview

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### Why is Trina Solar a Super Factory?

Trina Solar's Super Factory have vastly improved the efficiency and speed of innovation in the photovoltaic industry, accelerated the industrialization of 600W+ ultra-high-power module products, and pushed China's photovoltaic industry forward to lead the world again.

### Why do factories use solar panels?

Factories and warehouses use solar panels to offset high energy costs. Solar power factory outputs, such as large-scale inverters, support these installations. Example: A German factory runs entirely on solar power on sunny days, using factory-produced panels.

### How do solar power factories work?

Solar power factories use cleanrooms to prevent contamination, ensuring high cell efficiency. Tip: Implement automation to reduce human error in cell production. Cells are soldered into strings, laminated with glass and polymers, and framed. Solar power factories test modules for waterproofing and durability.

### How are solar panels made?

Solar power factories begin with raw materials like polysilicon, the foundation of most PV panels. Polysilicon is refined into high-purity silicon ingots, which are then sliced into thin wafers. This process requires precision equipment to ensure quality. Function: Converts raw materials into usable forms for solar cell production.

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## Contact Us

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