

SolarTech Power Solutions

Solar panel quality control

✓ LIQUID/AIR COOLING

✓ INTELLIGENT INTEGRATION

✓ PROTECTION IP54/IP55

✓ BATTERY /6000 CYCLES



Overview

Before the actual production process begins, it is important to pre-select the cells that will be integrated into the final solar panel, verify the glass control process for mechanical resistance and transparency control, check the lamination time, and confirm the different stages of control planned through the production process. What is quality control in solar panel manufacturing?

Quality control in solar panel manufacturing involves ensuring that each step of the production process meets the necessary standards. There are three types of quality control in solar production namely in-process quality control, final inspection, and testing and validation. In-Process Quality Control.

Why do we need a solar panel quality control inspection?

The solar power industry has been experiencing a huge boom in the wake of the Covid-19 pandemic, leading to a growing demand for solar panels, or photovoltaic panels – and as a result of this, there has also been an increase in the need for solar panel quality control inspection.

Why is quality control important in solar panel production line?

To summarize, quality control is essential if not mandatory in solar panel production line. Quality control checks during production help to ensure solar panels generate the required electricity and perform optimally over their lifetime. Inspections help to identify defects and prevent them from making their way into the final product.

What are the types of quality control in solar production?

There are three types of quality control in solar production namely in-process quality control, final inspection, and testing and validation. In-Process Quality Control In-process quality control involves monitoring the production process to ensure that it is proceeding as planned.

What are the steps in the solar panel quality control process?

Let's break down the key steps in the solar panel quality control process:

Visual Inspection: Our Inspectors thoroughly check each solar panel for any visible defects, such as scratches, dents, or blemishes. The panel's overall appearance and cleanliness are assessed to guarantee that it meets the desired standards.

Do solar panels need a QC inspection?

Needless to say, it is imperative that solar panels are not only manufactured using high-quality components but that they also undergo stringent quality control inspections – whether through an in-house QC inspection or a third-party inspection – before shipment.

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Contact Us

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