



**SEAWARD**  
ELECTRICAL SAFETY TESTING  
& MEASURING.

## What is STC and why is it significant?

The STC test is a standard test for determining the performance of solar panels under standard test conditions (STC). It is a test that is performed under standard test conditions (STC) of 1000 W/m<sup>2</sup> irradiance, 25°C cell temperature, and 1.5 air mass (AM1.5) spectrum. The test is performed by measuring the power output of the solar panel under these conditions. The power output is then divided by the area of the solar panel to give the STC power output. The STC power output is a measure of the maximum power that the solar panel can produce under standard test conditions. The STC power output is a key parameter for determining the performance of solar panels and is used to compare the performance of different solar panels.

If you require more help, please contact us at  
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