



What is STC and why is it significant?

The PV module's short-circuit current (I_{sc}) is determined by the irradiance of the solar spectrum, the performance of the solar cells, and the temperature of the solar cells. The STC (Standard Test Conditions) is a set of conditions used to compare the performance of different PV modules. The STC conditions are: irradiance of 1000 W/m², cell temperature of 25°C, and air mass of 1.5. The STC is a standard used by manufacturers to determine the rating of their PV modules. The STC is a standard used by manufacturers to determine the rating of their PV modules.

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