



What is STC and why is it significant?

The PV module's short-circuit current (I_{sc}) and open-circuit voltage (V_{oc}) are the two most important parameters for determining the module's performance under standard test conditions (STC). The STC test conditions are defined as 1000 W/m² of irradiance, 25°C cell temperature, and 1.5 air mass (AM1.5) spectrum. The STC test conditions are used to compare the performance of different PV modules and to determine the rating of a PV module. The STC test conditions are used to determine the rating of a PV module by measuring the module's short-circuit current (I_{sc}) and open-circuit voltage (V_{oc}) under STC conditions. The STC test conditions are used to determine the rating of a PV module by measuring the module's short-circuit current (I_{sc}) and open-circuit voltage (V_{oc}) under STC conditions. The STC test conditions are used to determine the rating of a PV module by measuring the module's short-circuit current (I_{sc}) and open-circuit voltage (V_{oc}) under STC conditions.

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