Inverter power matching

Overview

What is the White Paper on inverter matching?

The White Paper on inverter matching for Trina Solar's Vertex Series Photovoltaic Modules can be found at `57`. Section 6 discusses the analysis and configuration for Residential String Inverters.

What are the parameters of an inverter?

Inverter parameters: DC integration, AC output voltage, inverter type, MPPT current, maximum system voltage, module type, DC power, AC power, DC/AC ratio. The passage also mentions 'DC power A C power' but it is unclear whether it is a typo or a missing parameter, so it is left unchanged.

What is the inverter matching database?

Trina Solar's inverter matching database is updated regularly according to market trends to provide customers with the most convenient product services. Currently, it covers 19 mainstream inverter manufacturers in the world, with more than 180 products.

What is the power of a string inverter?

The power capacity of each Trina Solar Vertex Series string inverter is 350 kW. The MPPT current is upgraded to more than 40 A to support single-string current of 20 A or higher, perfectly matching the 210-series products. Each inverter manufacturer focuses on a different technical approach.

What are the parameters of an MPPT inverter?

Inverter Parameters for an MPPT inverter in Trina Solar's Vertex Series: DC integration, AC output, inverter type, MPPT. Maximum input parameters: 26A/2×22A for DC power and 1100V for DC module voltage. Maximum AC output parameters: 380V/400V and 210-550W. Other specifications include: 3W+PE/4W+PE, 210-550W, 26 inputs, 1 output, 3 strings, and 42900/30000 maximum input/output power.

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What are the types of inputs for the inverter?

Inverter Parameters, \DC power and AC power are the types of inputs for the inverter. Other parameters include the AC output, inverter type, MPPT AC output, number or maximum inputs current, module type, module in series, and MPPT config string.

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