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Title: Inverter Maximum Power Point Tracking

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What is maximum power point tracking (MPPT)?

By Finn Peacock,Chartered Electrical Engineer,Fact Checked By Ronald Brakels Maximum Power Point Tracking (MPPT) is a feature built into all grid tied solar inverters. In the simplest terms,this funky sounding feature ensures that your solar panels are always working at their maximum efficiency,no matter what the conditions.

What is a maximum power point tracking controller?

Maximum power point tracking controllers are commonly used in solar power systems to increase the solar panels' efficiency and overall energy yield. Using maximum power point tracking systems within a PV plant can help optimize its performance and improve its overall economic viability.

How does a maximum power point tracking system work?

Maximum power point tracking systems use electronic circuitry to continuously adjust the operating voltage and current of the solar panels in an effort to keep them running at their maximum power point. The maximum power point tracking algorithm checks the output of a PV module and compares it to the inverter's optimal voltage range.

What is an MPPT inverter?

A maximum power point (MPP) is the point at which a solar panel produces its maximum power output. It depends on sunlight,temperature and the electrical load drawing from the panel. An MPPT inverter adjusts the electrical load dynamically,even as sunlight and conditions change,making your system as efficient as possible. How does an MPPT work?

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