



**SolarTech Power Solutions**

# **KW-level high-power inverter**



## Overview

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What is a 25 kW bi-directional T-type inverter?

The 25 kW bi-directional T-type inverter demonstrates the performance of Wolfspeed's 650 V and 1200 V silicon carbide (SiC) MOSFETs within high power systems such as solar inverters, uninterruptible power supplies (UPS), EV fast chargers, HVDC applications, high power PSU for AI/datacenters and energy storage systems.

What is a power leaf solar inverter?

The new Power Leaf solution includes a hybrid inverter that allows the connection of solar PV, battery storage, and/or generator power. High energy density, flexible configuration, and an advanced energy management system (EMS) enables seamless transfer between grid-tied and off-grid modes.

How does a boost inverter work?

The Inverter has DC ports for Boost and solar, with 3 battery inputs and 4 MPPT inputs for solar. The DC-coupling of solar and batteries allows for higher system efficiency when charging batteries from solar. When the Inverter is installed with Boost and a Schneider Backup Controller, the system automatically powers the home during a grid outage.

Why should you choose Sunny Highpower peak3 inverter?

The Sunny Highpower Peak3 inverter offers maximum power density at minimum weight. The DC combiner boxes enable efficient planning and easy expansion of large-scale solar plants even on irregular terrain. Field-proven OptiCool active cooling technology ensures reliable, long-term operation.

How much does a solar inverter cost?

Your solar adventure starts here—let's light it up! The Enphase IQ8 is a top pick for its reliability, panel-level optimization, and 25-year warranty—especially great for shaded or complex roofs. Solar inverters cost

between \$1,500 and \$5,000, depending on the type (string, micro, or hybrid) and your home's energy needs.

### Do solar panels need inverters?

Inverters are essential for converting solar panel DC output into home-usable AC power—your solar system won't work without one. Top inverter types include string inverters (budget-friendly), microinverters (great for shade), and hybrid inverters (battery-ready).

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### Contact Us

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