



Enphase energy new delhi

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Enphase has launched its Enphase Energy System with the IQ Battery 5P in India, enabling homeowners to effectively harness solar power for their daily energy needs. The IQ Battery 5P has a total usable energy capacity of 5 kWh and can be configured with multiple batteries to scale up to 40 kWh to meet varying home energy needs.

Enphase Energy, a US-based supplier of microinverter-based solar and battery systems, has announced the launch of Enphase Energy System in India. Key components of the system include the new IQ Battery 5P, IQ8 microinverters and the IQ system controller, enabling uninterrupted, reliable backup power to homeowners.

The IQ Battery 5P is designed for modularity. Starting at 5 kWh, it can be configured with multiple batteries to scale up to 40 kWh to meet varying home energy needs. It includes six embedded microinverters providing up to 3.84 kVA continuous power rating and 7.68 kW peak power for short bursts.

The battery features advanced lithium iron phosphate (LFP) chemistry, offering enhanced safety and significantly less maintenance compared to the widely used lead-acid batteries in India.

The IQ system controller (or backup switch) isolates the home from the grid during outages, allowing seamless power supply from Enphase's solar and IQ Battery 5P systems. "The transition is instant, so most homeowners won't even know there was an outage," stated Enphase.

Homeowners can choose between IQ7 and IQ8 microinverters. The IQ8HC and IQ8P microinverters, launched in India last year, deliver peak AC output power of 384 W and 480 W, respectively, and seamlessly pair with solar panels up to 670 W DC. IQ8 microinverters are grid-forming and feature Enphase's Sunlight Jump Start, allowing the system to restart using sunlight after a prolonged grid outage that drains the battery.

"The launch of the IQ Battery 5P marks a significant milestone for India," said Harsha Kuntur, managing director at Ecosoch Solar. "These are some of the most advanced batteries, with built-in smart inverters that integrate seamlessly into Enphase's ecosystem, providing complete control over both critical and non-critical loads. Homeowners can optimize energy use and ensure resilience, even under high demand. Scalable and future-ready, they allow power export to the grid during non-solar hours. With a long warranty and a durable design that eliminates any single point of failure, these batteries set a new standard in energy solutions for Indian homes."

Homeowners can use the Enphase App to monitor performance and intelligently manage their battery systems, including the self-consumption feature to minimize grid electricity use. The app also offers homeowners the



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ability to disconnect from the grid entirely and reconnect with ease, with just a few taps when desired.

Enphase provides 24/7 customer support and a 15-year limited warranty (extendable up to 25 years) on IQ8 microinverters and a 15-year limited warranty on IQ Batteries activated in India.

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