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pv magazine

Jakson unveils lithium battery backup solution with a sub-5 ms response time

The EnerPack from Indian manufacturer Jakson consists of a hybrid inverter, lithium ferro phosphate batteries, and an intelligent energy management system that can smartly combine grid power, solar power, wind power, and even diesel generator power supply to maximize the use of renewable energy.

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Jakson Group, a Noida-based energy and infrastructure company, has unveiled a compact and modular energy storage system based on lithium batteries. Called EnerPack, the BESS starts from a storage capacity of 4 kWh and can be scaled up to the MWh level of backup requirement. It supports all types of critical loads that require reliable power, in applications ranging from residential, commercial and industrial sectors to hospitals.

The product comes equipped with a hybrid inverter, lithium ferro phosphate batteries, and an intelligent energy management system that allows to smartly combine grid power, solar power, wind power, and even diesel generator power supply.

In the recent launch of EnerPack, Sameer Gupta, chairman and managing director, Jakson Group, said, "The EnerPack BESS is powered by an in-house design energy management system patented by Jakson and is capable of synchronization with various power sources. It is designed to optimize power and maximize renewable energy usage that will reduce energy costs for our end customers."

Atul Tare, vice-president, New Energies, Jakson Group, told **pv magazine** the product has a lifespan of 3,000 cycles at 80% depth of discharge. Switching is done by static switches, which take less than 5 milliseconds and thus ensures disruption-free operations.

The compact and modular design makes the BESS easy to transport and install, while fast-charge capability and low-system energy consumption make it practical and pocket-friendly.

The BESS can be remotely monitored with encrypted data logging. It is designed as per IEC standards.