

# How to use BESS in New Delhi s outdoor communication power supply

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Generated on: 2026-03-04 14:42:46

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How BSES is implementing India's first utility-scale battery energy storage system?

BSES in Delhi is implementing India's first utility-scale standalone Battery Energy Storage System (BESS) to provide uninterrupted power supply during outages, improve grid stability, and integrate renewable energy. Learn more about this innovative project!

How does a Bess system work?

An energy management specialist specified that the system will utilise surplus or cheaper energy during off-peak hours to charge the BESS, which will then be provided during peak energy demand hours. The intention is to minimise high-cost market purchases during peak demand periods.

Is BSES working on India's first utility-scale standalone Bess?

BSES is working on India's first utility-scale standalone BESS at Kilokari substation in south Delhi to provide continuous power supply during outages, approved by DERC.

Will Delhi's first standalone battery energy storage system improve power supply?

Delhi's first standalone battery energy storage system will enhance power supply for 100,000 consumers, ensuring reliability during peak demand and outages.

BESS can act as a reliable backup power source during grid outages. The stored energy in the batteries is readily available to power critical telecom equipment, ensuring uninterrupted ...

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Key use cases planned for the project include energy arbitrage, reactive power support and grid stability. It offers backup supply to an 11 kV distribution bus at the substation, ...

Developed with support from IndiGrid, GEAPP, and TERI, the system is described as South Asia's largest standalone battery-inverter power setup. The government intends to ...

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The BESS provides four hours of uninterrupted backup power daily--two hours during afternoon peaks and two at night--helping replace fossil fuel based power generation ...

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Aug 31, 2023 . This thesis project, carried out at Northvolt Systems, aims to analyze the existing and readily used communication interfaces for a specific set of mobile BESS applications.

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In Detail : IndiGrid has successfully commissioned India's first regulated, utility-scale standalone Battery Energy Storage System (BESS) for a power distribution company in ...

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