



# How to connect energy storage station to the power grid

What is National Grid ESB?

A distribution or sub-transmission line owned by National Grid (which is presently interconnected to a third-party energy supplier or generating facility selling power into the wholesale market) for the purpose of selling power into the wholesale market. This ESB also addresses state-specific requirements pertaining to parallel generators.

Can customers use battery storage if there is no generator facility?

Customers may apply battery storage where there is no Generator Facility to take electricity from the Company's EPS, store the electricity, and then export the stored electricity to the Company's EPS at a later time or in response to market program participation.

Can a generator be used as a stand-by or emergency generator?

Note: A Customer wishing to use a generation system as a stand-by or emergency generator shall submit details regarding an interlocking scheme or transfer switch to prevent the energization of a de-energized Company circuit that complies with National Grid ESB 750, Section 11.

Where can I find information about small generator interconnection procedures?

Specifications from National Grid are in Electric System Bulletin No. 756 available online. Small Generator Interconnection Procedures will apply to projects equal or less than 20 MW that are located on the NYS Transmission System or on FERC jurisdictional distribution circuits and intend to participate in the NYISO's markets.

What is battery storage?

Battery storage is common for DER applications where the primary benefit enables DG sources to be dispatched /adjusted upon request behind the meter (BTM). In these cases, the ESS is charged by the Generator Facility to be available later to dispatch the stored energy when the Generator Facility is not generating.

What is underground secondary grid (area) network spot network?

Underground secondary grid (area) network Spot networks are similar to grid (area) systems deliver power to each customer networks except they serve a single premise. through a complex and integrated system of multiple transformers and underground cables that are connected and operate in parallel.



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Web: <https://www.solarcomplete.co.za/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

