



# National grid energy storage grid connection solution

How can National Grid help you reduce energy costs?

Reducing energy at these times reduces energy costs and decreases pollution. National Grid has made it easy for you to conserve energy at these peak times with a portfolio of solutions including Wi-Fi thermostats and energy storage systems. Below is an overview of our offerings.

What is grid energy storage?

Grid energy storage, also known as large-scale energy storage, is a set of technologies connected to the electrical power grid that store energy for later use. These systems help balance supply and demand by storing excess electricity from variable renewables such as solar and inflexible sources like nuclear power, releasing it when needed.

Can a customer charge a battery storage system from the grid?

Customers who don't have a renewable energy system but do have an energy storage system that charges from the electricity grid may participate in Connected Solutions. If the customer will be discharging electricity to the grid, they must go through the normal interconnection process. Can I charge my battery storage system from the grid? Yes.

Does National Grid offer a smart thermostat program?

New Yorkers who have National Grid as their utility can only enroll their smart thermostats. We'll walk you through the pros and cons of the program and how much you can earn (spoiler: it can be upwards of \$1,500), to help you decide if it's worth joining.

What is grid-scale battery storage?

Battery storage is a technology that enables power system operators and utilities to store energy for later use.

Does a power grid match electricity production to consumption?

Any electrical power grid must match electricity production to consumption, both of which vary significantly over time. Energy derived from solar and wind sources varies with the weather on time scales ranging from less than a second to weeks or longer.



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