



# 590 kWh commercial energy storage

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EVO Power provides Utility-Scale Storage technology and volume cost savings to the Commercial & Industrial (C& I) battery markets with the EXCEL PLUS series.

EXCEL PLUS: Utilizes the latest in LFP Liquid-Cooled Battery Technology with each freestanding IP55 battery container boasting 5 MWh of energy (4.4 MWh Usable AC).

Today, as businesses and communities worldwide make strides toward sustainable energy practices, the importance of effective energy storage is becoming increasingly clear. Commercial energy storage systems play a pivotal role in this transformative journey, enabling us to utilize renewable energy more efficiently and reliably. In this article, we will not only answer some of the most common questions about commercial battery storage systems, but also briefly explore the differences between commercial, grid-scale, and residential storage solutions.

We will also highlight the role of innovative technologies in advancing commercial battery storage, using Exro Technologies' Cell Driver(TM) Technology as an example. Our 90kW/192kWh Cell Driver(TM) is a commercial battery energy storage system that showcases the future of this crucial technology.

Whether you're a business owner seeking renewable energy solutions, an industry expert staying up-to-date with the latest advancements, or simply an enthusiast curious about the future of sustainable technology, this article aims to provide valuable insights. Let's start our exploration by diving right into these common questions.

A commercial battery storage system is a clean technology designed to store electrical energy for use at a later time. These systems serve as the backbone of a business's energy infrastructure, providing the ability to store electricity when demand is low and dispatch it when demand is high. This ability to control when and how electricity is used provides a significant advantage, allowing businesses to operate more efficiently and sustainably.

Commercial battery storage systems utilize advanced battery technologies, which are installed on a business's premises. The stored energy can be derived from various sources, including the grid during off-peak times or from renewable energy installations such as solar panels or wind turbines. Once stored, this energy can be used in several ways: it can be dispatched during peak demand times to reduce energy costs, used as a backup power source during outages, or even fed back into the grid in certain scenarios.

Commercial battery storage systems are not just about energy independence--they are also about smart energy management. These systems can be programmed to optimize energy use based on various factors, such as energy prices, peak demand times, and the business's specific energy needs. In essence, a commercial



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battery storage system allows businesses to take control of their energy use, improving efficiency, reducing costs, and supporting sustainability efforts.

Exro Technologies's 90kW/192kWh Cell Driver(TM) is a prime example of this technology, offering businesses a reliable and efficient solution for managing their energy needs while supporting the transition to renewable energy sources.

Commercial battery storage systems work by capturing and storing electrical energy, and then providing that energy when it's needed. This process involves several stages:

**Charging:** The first step is charging the system. This involves taking electricity from a source--whether it's from the grid or from a renewable energy system like solar panels or wind turbines--and storing it in the system's batteries. The energy is often stored in the form of chemical energy within these batteries, ready to be converted back into electrical energy when needed.

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