

## SolarTech Power Solutions

# Dedicated power supply for energy storage



## Overview

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Why do data centers need utility-scale batteries?

Utility-scale batteries enable data centers to deploy a range of energy strategies, from speeding up interconnection timelines to managing seamless power source transitions and ensuring power quality as onsite energy portfolios evolve.

What is a battery energy storage system?

Battery energy storage systems (BESS) are advanced energy storage solutions that store electrical energy for later use. They can be recharged when there is an excess supply of electricity, often at lower costs, or when intermittent renewable energy sources, such as solar or wind, are generating power.

What kind of power supply does a data center need?

Bridging power supply and electrical distribution packages including diesel generators, gas generators, and dual-fuel options. With temporary generators from 100 kW to 1,500 kW, we deliver the data center power supply your operations need, even where grid capacity is limited or a grid connection has been delayed.

Are battery energy storage systems worth it?

Fortunately, battery energy storage systems (BESS) are responsive, high-availability solutions that are well-suited to support data center power consumption needs and are already demonstrating their worth as an established technology to help with the timing mismatches of the grid's supply and demand, as well as providing millisecond services.

Are self-supplied power solutions the future of data center development?

As data center demand continues to grow, particularly in hubs like Virginia, these self-supplied power solutions – from renewable energy parks to nuclear partnerships – will likely play an increasingly important role in the industry's

development. Sorry, the comment form is closed at this time.

Why should you invest in battery energy storage systems?

Investing in Battery Energy Storage Systems (BESS) offers exceptional flexibility for electricity grids. BESS smooths out supply to better match demand, mitigating instability and waste caused by oversupply and the intermittent nature of renewable energy sources like wind, solar, wave and tidal power. The key benefits of BESS include:

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