



Battery energy storage solution 490 kWh

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Powerwall BatteryRack Mounted BatteryCommercial Battery

This solution uses a rack-mounted battery paired with PCS (Power Conversion System) to form a flexible and scalable energy storage solution, which can provide different capacity configurations according to specific needs. It is suitable for high-density, high-capacity energy storage scenarios such as home, data center rooms, commercial office buildings, and other indoor energy storage applications.

The modular energy storage solution, designed with component-based architecture, effectively reduces transportation difficulty and cost. It avoids the installation challenges and space issues caused by the large size of containerized ESS, offering a more feasible solution for urban and island users.

Modular batteries are more widely distributed, reducing the risk of heat buildup. They can also share the cooling systems, such as air conditioning or fans, within the same space. Compared to integrated ESS, this provides more cooling options and lowers overall cooling costs.

The modular storage solution can scale from 100kWh to 3MWh, allowing the system's capacity to evolve as the project grows, offering flexibility in managing both capacity and budget.

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