

Commercial energy storage 180 kWh

A commercial energy storage system, also known as an energy storage unit, is ideal for businesses looking to reduce their energy costs in the long term and operate more sustainably. Companies with high energy demands - such as manufacturing firms, agricultural operations, larger office complexes, or charging parks - benefit particularly from this solution. By using a storage system, these businesses can not only reduce their reliance on external suppliers but also significantly lower their carbon footprint.

For effective use with a PV system, it should provide at least 0.8 kWp per 1,000 kWh of annual consumption to ensure sufficient surplus for storage. However, even without a PV system, a commercial energy storage unit is worthwhile: it can be used to make optimal use of dynamic electricity tariffs and to cap peak loads, helping to minimize grid strain and reduce costs.

The new Voltfang 2 comes as a complete solution for the outdoor segment with all the important components. Quick and easy to install, it can withstand extreme conditions from -20 to +50 °C. Its doubled capacity with the same space requirement as the previous model enables more efficient energy storage and a shorter amortization period.

Generation 2 of our battery system offers even more performance. Our modular system uses high-quality, requalified electric car batteries and enables quick and easy installation thanks to standardized plug-in units.

Our technical data sheet contains detailed information on our commercial storage system to help you make your decision. However, if you have any specific questions or require further information, please do not hesitate to contact us.

A commercial energy storage system makes your business more independent and sustainably reduces energy costs. With our intelligent energy management system, your consumption is optimized, positively impacting your bottom line and sustainability goals.

No, our storage system also works without a PV system, for example, to utilize dynamic electricity tariffs or as a charging infrastructure for electric vehicles. This way, you stay flexible, regardless of your existing infrastructure.

Our storage system uses powerful, safe reused EV batteries (lithium iron phosphate cells). These second-life batteries come from well-known German OEMs and were originally used in electric vehicles or sourced from overproduction. This technology offers the highest levels of safety and durability, making it ideal for reliable energy supply. Compared to new batteries, each 10 kWh can save up to 1 ton of CO₂, 3 MWh of energy, and 50 kg of resources, maximizing efficiency and promoting resource conservation.



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Our system stores cheaper electricity when tariffs are low and releases it as needed. The intelligent energy management adapts to market prices, maximizing cost efficiency and providing flexible energy use for your business. More information can be found here: [dynamic electricity tariffs and commercial energy storage](#).

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We stand for the development of a European value chain and sustainable economic growth, because an effective circular economy is crucially important. At Voltfang, we help reduce the import of rare and critical raw materials by using reconditioned and new batteries, for example from overproduction in the automotive industry, rather than new materials.

Our Voltfang Plus offers an almost unlimited range of storage capacities from 1.4 MWh. This enables reliable neighborhood storage, sustainable supply alternatives for your company or your own charging park for your electric vehicle.

Contact us for free full report

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