



# **Ess Industrial Commercial Container Lithium Charging Battery Energy Storage System Cabinets**

What is ESS Inc.?

ESS Inc. is a company founded in Portland, Oregon in 2011 by a team with deep experience in fuel cells, electrochemistry, advanced material science and renewable energy that manufactures low-cost, long-duration iron flow batteries for commercial and utility-scale energy storage applications requiring 4+ hours of flexible energy capacity.

What is the ESS Container?

The ESS Container is a container designed for energy shifting applications such as renewables integration, peak demand and capacity support. Microvast's commitment to becoming the leading provider of energy storage for utility scale projects is demonstrated through the features of the ESS Container.

What battery technology is used in the ESS container?

The Microvast ESS container uses lithium-ion battery technology, specifically Microvast's 53.5Ah NMC cell technology, which boasts an energy density of 235Wh/kg. The battery cells are developed from the proven performance of Microvast's battery solutions for the commercial electric vehicle market.

What is a commercial energy storage system (ESS)?

Our state-of-the-art commercial energy storage system (ESS) integrates with your existing infrastructure, providing a robust energy management and optimization solution. Sungrow provides effective commercial energy storage systems to help business owners store excess energy, reduce operational costs, and guarantee energy supply.

What storage system does ESS use?

ESS uses IBM Spectrum Scale installed on either AMD Servers in the case of the ESS 3200/3500 or IBM Power servers with either captive storage or attached to all flash external or disk-based storage systems for earlier models and the 5000 models. Spectrum Scale software may be used with other available storage systems and servers.

What are commercial and industrial energy storage solutions?

Our commercial and industrial energy storage solutions offer from 30kW to 30+MW. We have delivered hundreds of projects covering most of the commercial applications such as demand charge management, PV self-consumption and back-up power, fuel saving solutions, micro-grid and off-grid options.



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