

Tesla

Product Brochure

Powering Resilience: Tesla Megapack **Beyond transportation, Tesla is redefining energy infrastructure.** Introducing the Megapack, a utility-scale energy storage system designed to accelerate the world's transition to sustainable energy. Unlike traditional peaker plants, Megapack provides clean, reliable power on demand, enhancing grid stability and facilitating the integration of renewable energy sources. **Unleashing Grid-Scale Energy Storage:** The Megapack is a fully integrated, modular system, pre-assembled and tested at the Tesla Gigafactory for rapid deployment and reduced installation costs. Each Megapack houses battery modules, thermal management systems, and the necessary controls, enabling a turnkey solution for energy storage projects of any size. **Key Features & Capabilities:** * **High Capacity:** Each Megapack boasts a capacity of up to 3.9 MWh and can deliver 1.9 MW of power. Multiple Megapacks can be combined to create systems exceeding hundreds of megawatt-hours. * **Advanced Battery Technology:** Leveraging Tesla's industry-leading battery technology, Megapack offers exceptional energy density, cycle life, and thermal performance. * **Autonomous Operation:** Integrated with Tesla's Powerhub and Autobidder platforms, Megapack enables intelligent energy management and participation in wholesale energy markets, maximizing revenue potential. * **Remote Monitoring and Control:** Real-time performance data and remote control capabilities ensure optimal system operation and minimize downtime. **Target Customers & Use Cases:** Megapack is ideally suited for utilities, independent power producers (IPPs), and large commercial and industrial customers seeking to: * **Enhance Grid Stability:** Provide ancillary services like frequency regulation and voltage support. * **Integrate Renewable Energy:** Smooth out the intermittency of solar and wind power generation. * **Reduce Peak Demand Charges:** Shift energy consumption to off-peak hours, lowering electricity costs. * **Create Microgrids:** Enable resilient and independent power supply for critical infrastructure. **The Tesla Advantage:** Megapack offers a superior total cost of ownership compared to traditional alternatives, thanks to its streamlined installation, high efficiency, long lifespan, and intelligent energy management capabilities. Its modular design and remote monitoring provide unparalleled scalability and operational flexibility, paving the way for a cleaner, more reliable energy future.

