

Megapack and Powerpack



Megapack

1.5 GWh

Deployed

42

Countries

Fully Integrated Systems

Complete energy storage systems including DC batteries, bi-directional inverters, and site controllers with intelligent software and up to a 20-year warranty. These turnkey systems are designed to minimize installation costs and maximize project savings at scale.

Intelligent Software

Systems come with the most advanced autonomous control software available to ensure customers maximize economic benefits. Tesla software learns and predicts energy patterns, optimizes battery dispatch to reduce electricity bills, increases consumption of on-site solar, and enables various grid services.

Enhanced System Safety

Battery architecture consists of a low voltage battery with DC/DC converter for added electrical isolation and safety. Systems include an integrated liquid cooling and heating system for thermal safety as well as enhanced reliability and performance.

Applications

Peak Shaving

Discharge during peak demand hours to reduce expensive demand charges.

Emergency Backup

Power a facility when the grid goes down.

Demand Response

Charge or discharge in response to signals from a demand response administrator.

Load Shifting

Shift energy consumption from one point in time to another.

Ancillary Services

Provide service to the grid in response to signals sent by the grid operator.

Solar Self-Consumption

Charge from solar when possible to increase renewable consumption.



Powerpack