

# Tesla energy storage system capacity



## Overview

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The Tesla Megapack is a large-scale stationary product, intended for use at , manufactured by , the energy subsidiary of . Launched in 2019, a Megapack can store up to 3.9 megawatt-hours (MWh) of electricity. Each Megapack is a container of similar size to an . They are designed to be deployed .

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### Energy Storage Deployments Reach 9.6 GWh in Q2 2025

In Q2 2025, Tesla deployed a record 9.6 gigawatt-hours (GWh) of storage products worldwide—a robust performance that underscores both the rising demand for grid-scale and

### Tesla unveils Megablock and Megapack 3: more power and energy

As expected, Tesla unveiled Megapack 3, the latest generation of its biggest stationary energy storage battery system. The company is now using bigger 2.8-liter battery cells, resulting in a



### Tesla Megapack

[Overview](#)[History](#)[Terms](#)[Design](#)[Applications](#)[Deployments](#)[Safety](#)

The Tesla Megapack is a large-scale rechargeable lithium-ion battery stationary energy storage product, intended for use at battery storage power stations, manufactured by Tesla Energy, the energy subsidiary of Tesla, Inc. Launched in 2019, a Megapack can store up to 3.9 megawatt-hours (MWh) of electricity. Each Megapack is a container of similar size to an intermodal container. They are designed to be deployed

[Tesla Unveils Megapack 3 and Megablock: Revolutionary Energy](#)

## Storage

Mike Snyder, Tesla's VP of Energy and Charging, stated at the launch that with the new Megablock configuration, Tesla can deploy 1 GWh of storage capacity in 20 business days,



## **Tesla Megapack**

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## **Tesla Megapack Battery Specifications and Capacity Details**

Tesla offers Megapack in several capacity tiers to meet diverse project and application needs. These options permit customers to select the precise amount of energy storage they require.



## **Megapack Datasheet**

Megapack is an all-in-one utility-scale energy storage system that is scalable to the space, power, and energy requirements of any site from 2 MWh to over 1 GWh. Megapack is optimized for cost,

## Tesla Battery Energy Storage Deployment More Than Doubled In 2023

In 2023, Tesla deployed almost 15 gigawatt-hour (GWh) of battery energy storage systems (BESS), which is 125% more than in 2022. The main BESS products are the utility-scale





## Megapack

Together, they have a total manufacturing capacity of 80 GWh, or 20,000 units, per year. That's enough energy storage to retire 400 fossil fuel peaker plants (100 MW each) every year.

### [Tesla's Megapack 3 and Megablock: Scaling Grid-Scale Energy Storage](#)

Tesla's Megapack line has been the flagship in utility-scale battery energy storage. The original Megapack launched in 2019 with fully assembled 3.9 MWh units shipped for rapid field



## Tesla launches integrated 20MWh Megapack BESS solution

According to Tesla, Megablock is designed for a capacity of 20MWh, with a 25-year lifespan and 91% round-trip efficiency at medium voltage. The company also claims a 23% faster

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