

You've got the choice.

Ultra-fast charging
up to 320 kW with ChargeBox

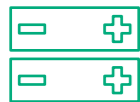


Charging solutions for the challenges of tomorrow.

Our charging solutions aren't just simple charging stations. They're **platform solutions that help you make your business model sustainable and implement it cost-effectively** – as quickly as possible.



How you benefit at a glance:



Integrated battery storage

Battery-buffered fast charging solution, ideal for use on power-limited grids



High charging power

Up to 320 kW charging power with a minimal footprint



No need for grid upgrades

No transformer station or grid expansion needed – connects to existing 480-V grid



Flexible holistic system

Consisting of hardware, software and services with custom configuration



Use of renewable energy sources

Easy to integrate into existing systems with solar power or renewable energies for charging with green electricity



Developed in Germany

Future-proof technology: engineered in Germany



Local US presence

Dedicated facility in Auburn, Alabama to serve the North American market

The **integrated battery storage system** is at the heart of our charging technology. The storage consists of several individual battery modules that can be easily replaced and monitored down to cell level. That's how the ADS-TEC Energy solution focuses on longevity and sustainability.

Why is battery storage important for charging?

Battery storage enables high-power, location-independent charging, enhancing the practicality of electric vehicles and boosting societal acceptance. To support this shift, the swift expansion of charging infrastructure is crucial. Ultra-fast charging stations reduce the need for numerous AC charging points, expediting the adoption of zero-emission transport options. However, DC fast charging poses challenges, especially to the existing grid infrastructure. ChargeBox addresses this issue: By buffering energy from a low-power grid connection and boosting it to the vehicle during charging, we enable ultra-fast charging for 60 miles of range in just 5 minutes – even in areas with limited grid capacity.

Unlike conventional DC chargers that require transformer station upgrades and grid expansions, our solution eliminates the need for costly and time-consuming infrastructure modifications. This approach minimizes dependence on local grid operators, making it suitable for diverse locations and business models. ADS-TEC Energy's integrated battery storage not only saves time and money but also provides additional revenue streams. Our comprehensive platform solutions, comprising compact and flexible hardware, software, and services, optimize space while integrating cutting-edge technology.

Demand charges and EV fast charging

An important element of the long-term economic viability of fast-charging stations and its operating costs are utility charges. Utility bills for commercial customers such as charging stations, depend on energy use (kWh) and peak power demand

charges (kW). DC fast charging requires high-power capacity for short time periods, leading to significant demand charges with standard DC chargers. ADS-TEC Energy's battery-buffered ChargeBox reduces peak power demand by two-thirds while providing the same charging power, resulting in substantial long-term savings. Utility rates vary, with demand charges reflecting local grid conditions and expansion costs. For an accurate savings assessment, a location-specific analysis is advisable.

Demand charge savings potential across the US*

Ellensburg, Washington - \$68,000 | -57%

Waldorf, Maryland - \$56,000 | -55%

Magnolia, Texas - \$79,000 | -57%

*Based on four charging points and average utilization.

ChargeBox System

Ultra-fast charging on power-limited grids

ChargeBox Booster

Power amplifier

Developed in Germany and designed for high power outputs, our compact power electronics and battery modules with their high energy density form the core of the ChargeBox Booster.

With its future-proof **high-voltage technology**, the system is compatible with voltage ranges from 150 V to 920 V, making it suitable for future electric vehicles.

Thanks to its **flexible installation options**, the ChargeBox Booster offers the utmost freedom even under tricky installation conditions. Above-ground installation means that the ultra-fast charging solution can be put into operation even faster, including in places where civil engineering work is not an option.

With a **footprint of just 17 sq ft**, the ChargeBox Booster requires just 15% of the area of comparable fast-charging systems that require connected medium-voltage installation.



ChargeBox Dispenser

Charging station

In order to make ultra-fast charging as easy, convenient and safe as possible for operators and users, we left nothing to chance when it comes to our ChargeBox Dispenser.

High suspension point ensures easy access to the charging socket on the electric vehicle.

LED status display on the charging station is clearly visible from a distance and in the dark.

Sunlight-readable 10-inch touch screen ensures optimal usability even in direct sunlight.

CCS1 charging connector for maximum charging power of up to 320 kW.

Liquid-cooled charging cable ensures consistently high charging performance without overheating or derating.

Low-noise charging allows for installation in mixed-use and residential areas.

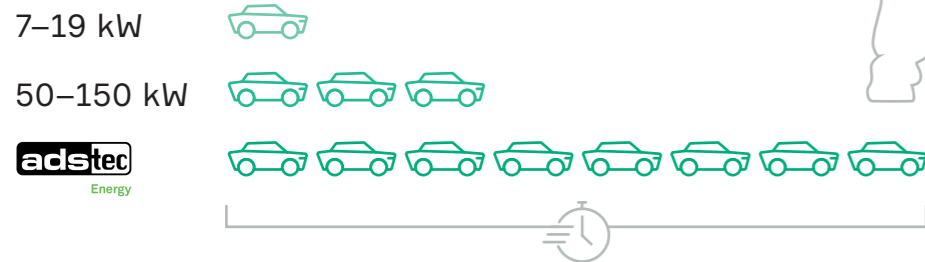
Only the best ultra-fast charging experience.

Make a future-proof investment.

ADS-TEC Energy **ChargeBox** with up to 320 kW offers significant advantages over AC chargers and many standard DC chargers. It charges EVs in minutes, is versatile and highly efficient with advanced features such as cooling systems, making it a crucial component for the rapid adoption of electric vehicles.

60 miles range in approx. 5 minutes.

Increase the number of cars charged per hour!



> 1,550 charging points across Europe

> 230 charging points across the USA and Canada

ChargeBox has been installed at more than 500 sites within Europe and North America. Field proven, robust and highly reliable. Due to the integrated battery-buffer the Total Cost of Ownership is significantly lower. Use self generated green energy to optimize your business case.

ChargeBox is field proven with 98% availability.



Maximum **customer satisfaction!**



Highest quality standards – **engineered in Germany**



140 kWh battery capacity

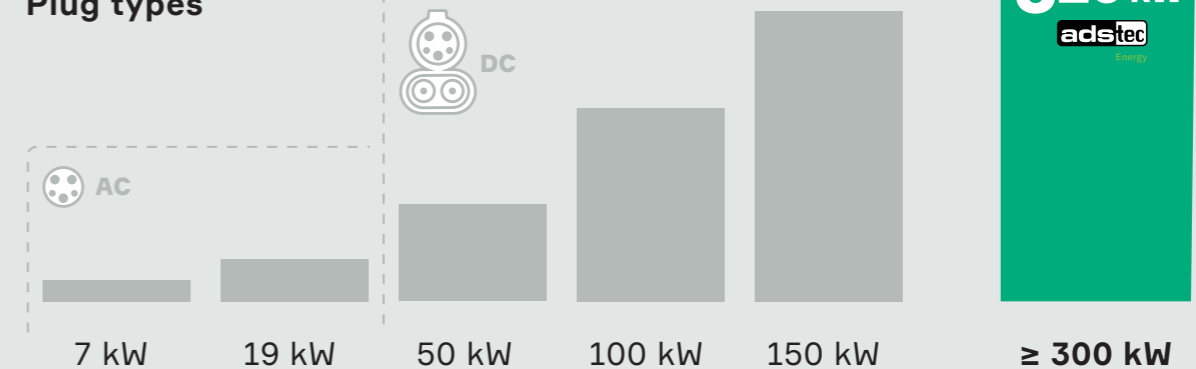


17 sq ft installation footprint (smallest system of its class)

Ultra-fast charging on limited grids



Plug types



Enabling the energy of the future. Today.

ADS-TEC Energy develops and produces battery-powered platform solutions for the energy industry of the future. These are supplemented with extensive services and secure remote access to all operating data, ensuring ongoing long-term operation. We ensure that the decentralised energy system of the future will be safe, efficient and optimally used in a carbon-neutral world.



The transformation to a climate-neutral energy industry is one of the greatest challenges of our time. The energy system of tomorrow will be more electric, more digital and more decentralised. Today's power, heat and mobility sectors will interact more and more, thereby offsetting the volatility of renewable energy supply. This calls for decentralised, intelligent energy platforms with integrated buffer storage in our real estate, industry and infrastructure. To that end, we enable future energy suppliers to guide this complex interaction between producers and consumers.

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