More than just EV charging

The perfect platform solution for every business model

adstec Energy

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

Maximum flexibility

Maximum power with a tiny footprint allows for flexible use almost anywhere

Flexible overall system

consisting of hardware, software and services with custom configuration

High charging capacity

Up to 320 kW charging capacity

Developed in Germany

State-of-the-art technology: made in Germany

Can be operated without the need for grid expansion

No need for transformer station or grid expansion – connects to existing 400-V grid

Use of renewable energy sources

Easy to integrate into existing systems with photovoltaic installations or renewable energies for charging with green electricity

The integrated battery storage is at the heart of our charging technology. This is made up of lots of 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 ultra-fast charging at any location. Fast charging makes electric mobility more practical, which leads to greater acceptance in society. Driving this forward means expanding the fast-charging infrastructure rapidly. Ultra-fast charging points require fewer AC charging points, so the transition to green transport options can be achieved more easily with the faster expansion of the charging infrastructure.

Yet fast charging presents other challenges. Grids aren't always designed for such output. But that's where our products come into play. Both ChargeBox and ChargePost continuously store the energy available from the low-voltage grid. As soon as this energy is needed, it can be released ultra-fast, enabling charging with a range of up to 100 km in around 5 minutes.

Our technology enables ultra-fast charging even in places where this would not ordinarily be possible due to the available grid capacity.

Alternative to transformer stations and grid expansion

Costly and time-consuming grid expansion, including upgrading the necessary infrastructure (e.g. transformer stations), is usually required in order to make ultra-fast, high-capacity charging possible. It makes sense to question whether this undertaking is actually worth it. After all, the outlay involved in expanding the grid is high and the entire process can often take several months. It also means a high level of dependence on the local grid operator. This means that this solution isn't suitable for every location or every business model.

ADS-TEC Energy's solutions save you both time and money. Thanks to the integrated battery storage, grid expansion is not required. The system also offers additional sources of income and is very quick to install.
Our platform solutions include hardware, software and services as a comprehensive solution. They are designed to be space-saving and flexible - the minimum amount of innovative technology within the smallest possible space.

Our platform solutions are highly versatile. ChargeBox and ChargePost enable more profitable business models than just charging.

Ultra-fast charging on power-limited grids

Self-consumption optimisation

Electricity trading with renewable energies

Grid security and stability

Appealing advertising space

ChargeBox System

Ultra-fast charging on power-limited grids

Nominated for the **Deutscher Zukunftspreis** (German Future Prize) **2022**

ChargeBox Booster

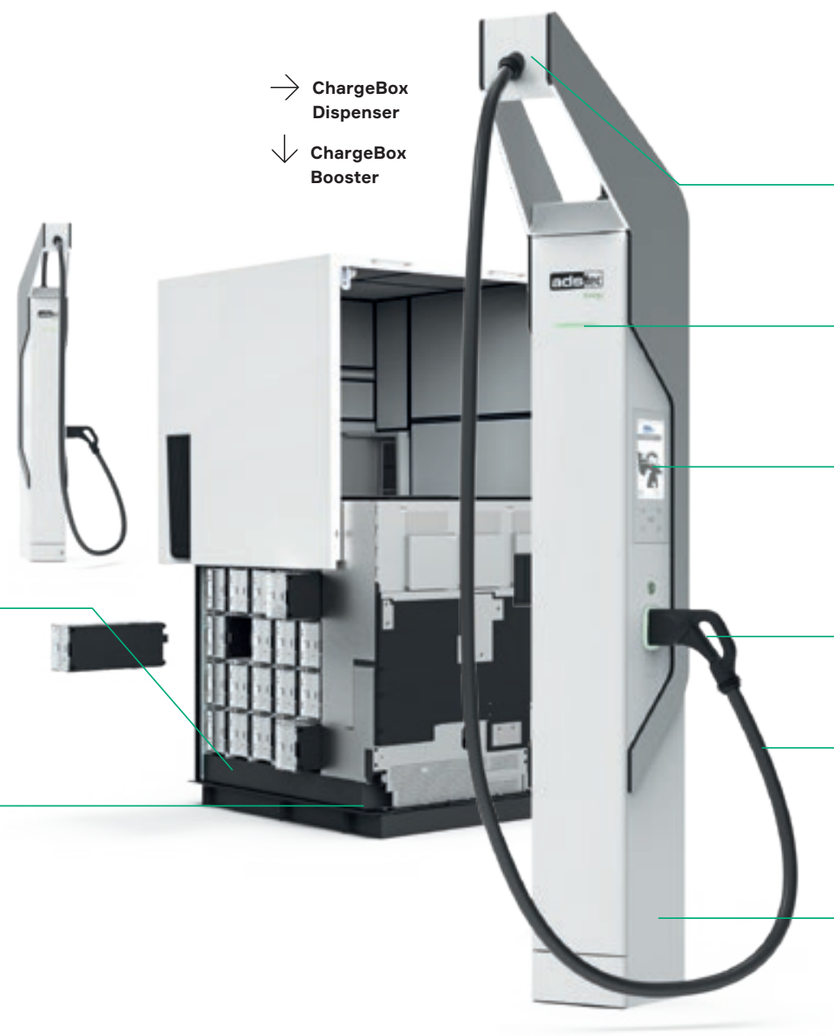
Power amplifier

Developed in Germany and designed for high outputs, our compact power electronics and our 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.

With a **footprint of just 1.6 m²**, the ChargeBox Booster requires just 15% of the area of comparable fast-charging systems with a connected medium-voltage installation.

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.



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 readability even in direct sunlight.

CCS2 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.

This system solution for battery-buffered ultra-fast charging offers the ultimate flexibility and is the most compact and efficient solution in its class.

up to 320 kW
charging capacity

6x
more power on power-limited grids

140 kWh
battery capacity

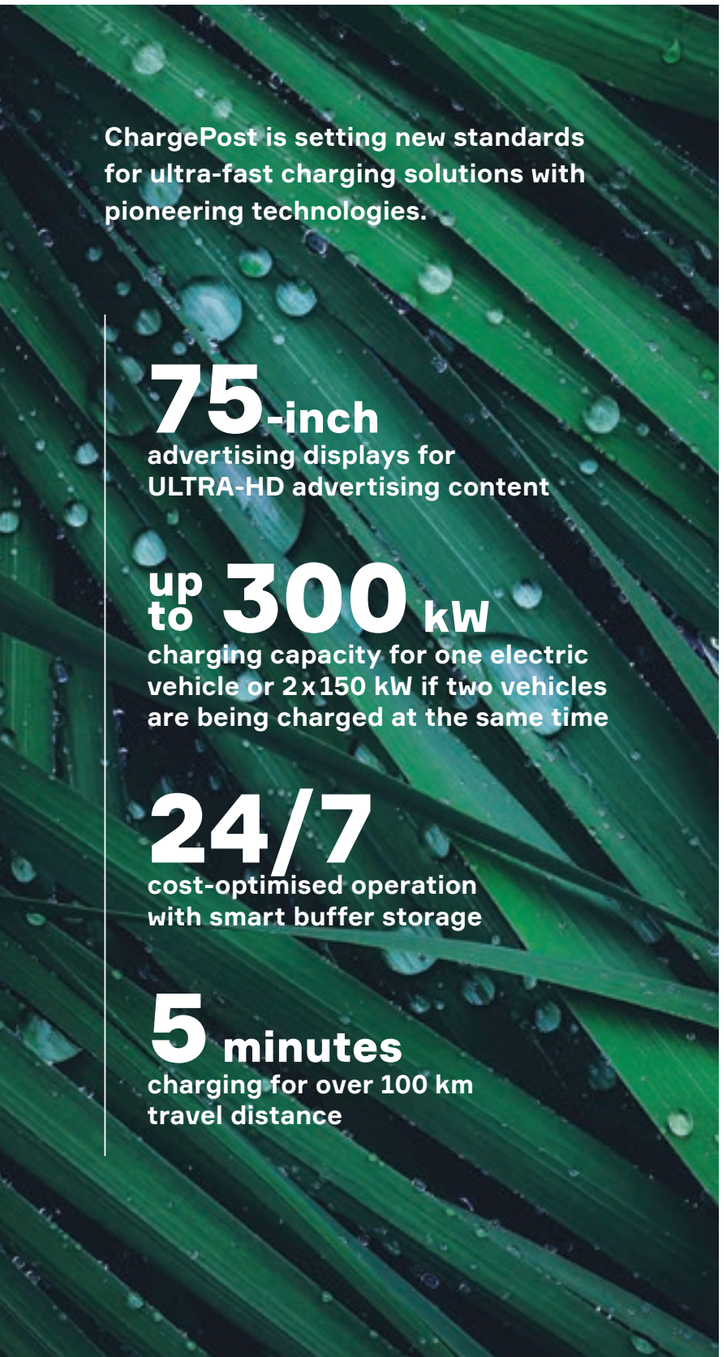
1.6 m²
installation footprint
(smallest system in its class)

up to 300 m
between grid connection and charging point

Noiseless
charging stations for charging in residential areas

ChargePost

Today’s all-in-one charging solution
for tomorrow’s challenges.



ChargePost

All-in-one charging station

Smart, innovative and custom-designed: ChargePost enables HPC charging within minutes on power-limited grids – taking ultra-fast charging to a new level with best-in-class technologies.

Modular system: battery modules can be replaced individually for quick and convenient upkeep.

Air conditioning for battery cooling, power electronics and advertising display.

Innovative lighting system for displaying the system status.

Sunlight-optimised **10-inch touch screen** for easy, intuitive operation.

Integrated contactless **credit and debit card reader** enables convenient payment.

CCS2 charging cable (minimum 3 m, uncooled) for convenient use.

Powder-coated sheet steel ensures high resistance to weathering.

Full-HD image sensor for smart security monitoring.

Maximum security for your system and data with in-house IT and firewall.

CE-certified in accordance with protection class IP54.

DC meter for energy measurement and billing in compliance with weights and measures regulations.

75-inch displays with ultra-HD resolution and smart energy-saving modes for displaying custom advertising content.

Outdoor displays with high br.ightness, protection against vandalism, and UV filter.

Large lockable doors allow easy access for ma.intenance work.

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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Kreis der Besten

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