

**PACCAR** POWER SOLUTIONS



**PACCAR CHARGERS**

Electric Truck Chargers

# PACCAR POWER SOLUTIONS

## Electric Truck Chargers

### Zero-emission distribution

DAF is leading the way in electric powertrains for commercial vehicles. DAF was one of the first European truck manufacturers to market a fully electric truck. DAF is now taking the next step in electric transportation, offering an electric truck for every application for inner city, regional and national distribution. The New Generation XD and XF Electric, have the option for a battery with the capacity increased by more than 50%, extending the maximum range to more than 500 kilometres. The product portfolio is completed by the XB Electric, a lightweight truck ideal for distribution and vocational applications

### PACCAR Power Solutions – Powering your Success

At PACCAR Power Solutions, we're on a mission to make the electric transition a success for your business. Whether you're ordering one state-of-the-art DAF electric vehicle or running a mixed fleet of EVs, we've got the first-class chargers, innovative thinking and expertise to take you further. We pride ourselves on offering a total package of charging hardware, consultancy and maintenance services that's tailored to your needs — and unrivalled in our industry. Think of us as your one-stop-shop for a smooth and profitable transition to electric transport.



### Features and benefits of PACCAR Chargers

- ✓ Seamless Operation
  - Total electric transport solution including best-matching charging infrastructure and service
  - EV charging solutions that fit your specific transport needs
  - Always the best choice for your XB, XD and XF Electric and other electric vehicles
  - CCS2 EU connector: also suitable for other electric vehicles
- ✓ Optimal Return on Investment
  - Ready for the future
  - Complete care: full service including 24/7 support
- ✓ Peace of Mind
  - Certified to the highest safety standards
  - Wireless updates to the latest software

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## ChargeMax

### All-in-one chargers

The ChargeMax range includes stationary all-in-one DC fast chargers with charging power ranging from 60 kW to 400 kW. They are ideal for installing in car parks or on charging bays. All versions can charge two electric trucks at the same time and are future proof, since they are easily upgradeable to a higher charge power at any time. These chargers are ideal for charging up to two trucks overnight or fast charging one truck.

TECHNICAL SPECIFICATIONS	ChargeMax CHARGERS
Max. charging power	60 to 400 kW or 2x 30 kW to 2x 200 kW
Output current	200 A – 500 A
Number of outlets	2
Energy efficiency	> 95%

CHARGING TIME FROM 20% TO 80%*	ChargeMax CHARGERS
XB Electric (282 kWh)	1 - 3 hr
XD and XF Electric (315 kWh)	0,5 - 3,5 hr
XD and XF Electric (525 kWh)	1 - 5,5 hr

\*Charging times calculated based on using 1 outlet with maximum power available.  
Charging times are approximate and may vary depending on the vehicle type, temperature and other charging conditions.



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## PowerChoice

### Split-system chargers

The PowerChoice range includes stationary fast DC chargers with charging power from 180 kW to 400 kW. These chargers feature a split-system design, allowing up to six power dispensers to be installed separately from the power cabinet, with a distance of up to 80 metres. This ensures maximum flexibility for installing charging infrastructure at your site. These chargers provide ultra-fast charging speeds of up to 400 kW, making them ideal for ultra-fast charging of two trucks simultaneously or charging up to six trucks overnight. The Dynamic Load Balancing System (DLBS) intelligently distributes the available power among the connected power dispensers, ensuring that each truck receives the optimal amount of power based on its current charging needs. This results in faster charging times and more efficient use of the charger's capacity.

TECHNICAL SPECIFICATIONS	PowerChoice CHARGERS
Max. Charging power	400 kW or 2x 200 kW or 3x 120 kW or 6x 60 kW
Output current	250 A – 750 A
Number of outlets	1 – 6
Energy Efficiency	> 95%

CHARGING TIME FROM 20% TO 80%*	PowerChoice CHARGERS
XB Electric (282 kWh)	1 - 1,5 hr
XD and XF Electric (315 kWh)	0,5 - 1,5 hr
XD and XF Electric (525 kWh)	1 - 2,5 hr

\*Charging times calculated based on using 1 outlet with maximum power available.  
Charging times are approximate and may vary depending on the vehicle type, temperature and other charging conditions.



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## PacMobile

### Mobile Chargers

The PacMobile chargers include DC low/medium power range from 30 kW to 80 kW.

They are ideal for applications where maximum flexibility is required.

TECHNICAL SPECIFICATIONS	PacMobile
Max. Charging power	30 to 80 kW
Output current	80 A - 133 A
Number of outlets	1 or 2 (only for 80-kW version)
Energy Efficiency	>94%

CHARGING TIME FROM 20% TO 80%*	PacMobile
XB Electric (282 kWh)	2 - 6 hr
XD and XF Electric (315 kWh)	2 - 7 hr
XD and XF Electric (525 kWh)	3,5 - 11 hr

\*Charging times calculated based on using 1 outlet with maximum power available.

Charging times are approximate and may vary depending on the vehicle type, temperature, and other charging conditions.



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## Service packages



### Service plan for maximum uptime

PACCAR Power Solutions offers a comprehensive service plan designed to ensure maximum uptime for battery electric truck chargers. This plan includes scheduled and corrective maintenance, Over The Air (OTA) software updates to guarantee seamless communication between the truck and charger, and active monitoring to detect and address potential issues proactively. The Service Level Agreement (SLA) features short resolution times for corrective maintenance tasks, supported by three distinct service levels.

- First level: 24/7 helpdesk. First diagnostics, remote resets and troubleshooting. Resolving most issues promptly and remotely.
- Second level: On-site repair by trained technicians, for limited cases where remote service is not sufficient.
- Third level: On-site examination and repair by technical charger experts and developers.



# PACCAR POWER SOLUTIONS

## Local Energy Storage and Management



### **Battery Energy Storage System & Energy Management System**

At PACCAR Power Solutions, we continuously strive to provide innovative solutions for our customers. As we venture into the era of electric trucks and sustainable transportation, we are proud to present our cutting-edge Battery Energy Storage System (BESS) and Energy Management System (EMS). The BESS allows our customers to store energy on-site, providing a reliable and efficient power source for their operations. Leveraging advanced battery technology, our BESS helps businesses optimise energy costs and decrease dependency on the electricity grid.

Complementing the BESS, our Energy Management System (EMS) takes energy management to the next level. This intelligent and robust software tool seamlessly integrates with truck charging, the electricity grid and local energy production, such as solar panels. By forecasting the weather, energy prices and energy consumption patterns, the EMS ensures energy availability at the lowest possible costs.

With the BESS and EMS in place, we enable fast charging, even in situations with limitations on the electricity grid. Our customers can enjoy uninterrupted operations, unlocking the full potential of their electric fleets without compromise.

Moreover, our customers have the flexibility to store energy locally during periods of low tariffs or surplus solar energy, leveraging it during peak demand or selling it back to the grid at premium rates. This not only helps them optimise energy costs but also contributes to a more efficient and sustainable energy ecosystem. The EMS solutions we offer go beyond providing a premium service to our customers. It actively supports our customers in the energy transition, addressing challenges such as grid congestion, energy unavailability and facilitating the adoption of renewable energy sources.



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ISO14001  
Environmental  
Management System



IATF16949  
Quality  
Management System

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