

# PACCAR POWER SOLUTIONS

# Electric Truck Chargers

*POWERING YOUR SUCCESS*



A PACCAR COMPANY DRIVEN BY QUALITY

**DAF**



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# Electric Truck Chargers

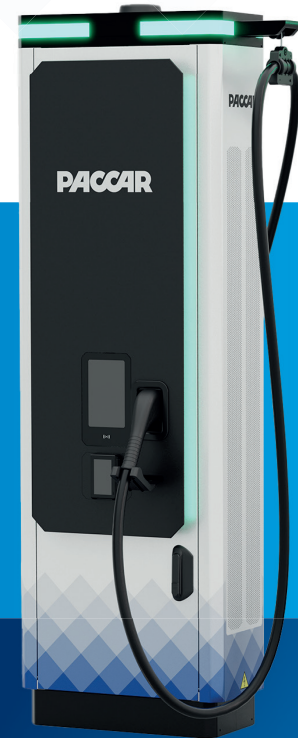
### Zero emission distribution

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. Now DAF takes the next step in electric transportation, offering an electric truck for every application for inner city, regional and national distribution. With the New Generation XD and XF Electric, it offers the possibility of an increased battery capacity by more than 50%, extending its maximum range to more than 500 kilometres. The product portfolio is completed by the XB Electric, a light weight truck ideal for distribution and vocational applications

### A custom solution for every application

At DAF, the development of electric trucks goes hand in hand with creating innovative EV charging solutions. The technology of the new PACCAR Chargers has the same proven e-technology, reliability and versatility as DAF's electric vehicles. For every specific situation there is a charger to suit your business. The product portfolio of charging systems includes both compact mobile charging stations and high power chargers, which will charge the battery to 80% in just 30 minutes. In addition, several models already offer higher current levels so they are ready to accommodate your future charging needs. Uptime, quality, connectivity and ease of operation are top priorities for all PACCAR Chargers. DAF is dedicated to ensuring your transition is not only smooth but also accelerates your growth.

**PACCAR**  
**POWER**   
**SOLUTIONS**



### 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

# PACCAR POWER SOLUTIONS

## ChargeMax

### All-in-one chargers

The ChargeMax range includes stationary all-in-one DC fast chargers with charging power ranging from 50 kW to 400 kW. They are ideal for installing in car parks or on charging bays. Most versions can charge two electric trucks at the same time and are future proof, since they are upgradeable to a higher charge power at any time. These chargers are ideal to charge up to two trucks overnight or fast charge one truck.

TECHNICAL SPECIFICATIONS	ChargeMax CHARGERS
Max. charging speed	400 kW or 2x 200 kW
Output current	200 A – 500 A
Number of outlets	1 – 2
Energy Efficiency	>94%

CHARGING TIME FROM 20% TO 80%	ChargeMax CHARGERS
XB Electric (282 kWh)	30 min – 3 hr
XD and XF Electric (315 kWh)	30 min – 3 hr
XD and XF Electric (525 kWh)	1 – 5 hr



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## PowerChoice

### Ultra Fast Chargers

The PowerChoice range includes stationary ultra fast DC chargers with charging power ranging from 150 kW to 400 kW. Up to six charge posts can be installed separately up to 80 metres from the power cabinet. This ensures both maximum flexibility for installing charging infrastructure at your site as well as ultra-fast charging speeds up to 400 kW. These chargers are ideal to ultra fast charge two trucks at the same time or to overnight charge up to six trucks at the same time.

TECHNICAL SPECIFICATIONS	PowerChoice CHARGERS
Max. charging speed	400 kW or 2x 200 kW or 3x 120 kW
Output current	250 A – 600 A
Number of outlets	1 – 6
Energy Efficiency	>94%

CHARGING TIME FROM 20% TO 80%	PowerChoice CHARGERS
XB Electric (282 kWh)	30 min – 1 hr
XD and XF Electric (315 kWh)	30 min – 70 min
XD and XF Electric (525 kWh)	50 min – 2 hr





# PACCAR POWER SOLUTIONS

## PacCharge AC & PacMobile

### AC Chargers

The range of AC chargers consists of compact and easy-to-install chargers suitable for your business, ranging in power from 7 kW to 22 kW. AC chargers are cost-effective chargers, mainly suitable for charging electric vehicles with low energy requirements such as commercial vans and cars. They can also be used for electric trucks with an onboard charger and a lower energy requirement. The PacCharge AC chargers can be mounted on walls or on special mounting pillars.

TECHNICAL SPECIFICATIONS	PacCharge AC
Max. charging speed	22 kW
Output current	16 A – 32 A
Number of outlets	1

CHARGING TIME FROM 20% TO 80%	PacCharge AC
XB Electric (282 kWh)	7 – 8 hr
XD and XF Electric (315 kWh)	8 – 9 hr
XD and XF Electric (525 kWh)	14 – 15 hr



### Mobile Chargers

The PacMobile range includes DC medium chargers with charging power ranging from 30 kW to 40 kW. They are ideal for applications where maximum flexibility is required.

TECHNICAL SPECIFICATIONS	PacMobile
Max. charging speed	40 kW
Output current	67 A – 100 A
Number of outlets	1
Energy Efficiency	>94%

CHARGING TIME FROM 20% TO 80%	PacMobile
XB Electric (282 kWh)	4 – 5.5 hr
XD and XF Electric (315 kWh)	4.5 – 6.5 hr
XD and XF Electric (525 kWh)	8 – 10.5 hr



# PACCAR POWER SOLUTIONS

## Service packages



### Service plan for maximum uptime

PACCAR Parts offers a service plan that ensures maximum uptime specially for chargers of battery electric trucks. The plan includes not only scheduled and corrective charger maintenance, but also Over The Air software updates guaranteeing a continuous flawless communication between truck and charger. The Service Level Agreement (SLA) includes short resolution times for corrective maintenance tasks by the inclusion of three service levels:

- First level: 24/7 helpdesk. First diagnostics 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 (BESS) & Energy Management System (EMS)**

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 offers our customers the ability to store energy locally, ensuring a reliable and efficient power source for their operations. By harnessing the power of advanced battery technology, our BESS empowers businesses to optimize their energy usage and reduce dependency on the traditional energy grid.

Complementing the BESS, our Energy Management System (EMS) takes energy flow management to the next level. This intelligent software seamlessly integrates with the energy grid and local energy production sources, such as solar panels. By forecasting the weather, energy prices, and energy usage, 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 insufficient energy available from the grid. Our customers can enjoy uninterrupted operations, unlocking the full potential of their 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 optimizing 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 net congestion and facilitating the adoption of renewable energy sources.





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ISO14001  
Environmental  
Management System



IATF16949  
Quality  
Management System

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