



**PACCAR CHARGERS**

# Technical Overview



# PACCAR POWER SOLUTIONS

## Charger portfolio

### 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.

**PACCAR** POWER SOLUTIONS



### Features & 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

# CHARGEMAX CHARGERS OVERVIEW

The ChargeMax range includes stationary all-in-one DC fast chargers with charging power ranging from 120 kW to 400 kW. These chargers are perfect for installation in parking areas or charging bays. Each model can simultaneously charge two electric trucks and is future-proof, with the ability to upgrade to a higher charging power at any time. They are ideal for overnight charging of up to two trucks or fast charging a single truck. The Dynamic Load Balancing System (DLBS) optimises the distribution of available power among the connected trucks based on their charging needs. This results in faster charging times and more efficient use of the charging station's capacity.

Charging power 120, 180, 240, 320 & 400 kW  
Dynamic Load Balancing System\*  
Upgradeable power 120 to 180 kW & 240 to 320 to 400 kW

**Standard:**  
10" Touch display  
RFID reader  
MID DC meter

**Optional:**  
24" advertising screen  
Payment terminal  
Eichrecht DC meter



**Standard:**  
2 x CCS outlets  
2 x 5-m uncooled cables

**Optional:**  
7 or 9.5-m uncooled cables  
5-m cooled cables\*



\* Only available for 240, 320 & 400-kW versions.

# CHARGEMAX M RANGE



TECHNICAL SPECIFICATIONS	ChargeMax 120 – 180M	ChargeMax 240 – 320 – 400M
Maximum charging power	120 or 2 x 60 kW 180 or 2 x 90 kW	240, 320 or 400 kW
Maximum charging current	120M - 250 A 180M - 400 A 500 A (peak for ~ 15 min)	400 A 500 A (peak for ~ 15 min)
Output voltage range	150 - 1,000 V	150 - 1,000 V
Input power	120M - 132 kVA 180M - 198 kVA	240M - 264 kVA 320M - 352 kVA 400M - 428 kVA
Upgradeable power	120 to 180 kW	240 to 320 to 400 kW
DC meter	MID Eichrecht (optional)	MID Eichrecht (optional)
Screen type	10" touch display 24" AD display (optional)	10" touch display 24" AD display (optional)
RFID / NFC	Y	Y
Payment terminals (optional)	Payter Apollo PAX IM 30 Valina	Payter Apollo PAX IM30 Valina
Number of outlets x standard cable length	2 x 5 m uncooled	2 x 5 m uncooled
Extended cable length (optional)	7 or 9.5 m uncooled	7 or 9.5 m uncooled 2x 5 m cooled
DLBS/power sharing	Power sharing 50/50	DLBS (80-kW steps)
Energy efficiency	> 95%	> 95%
Operating ambient temperatures	-25 to +55°C (derating > +40°C)	-25 to +55°C (derating > +40°C)
Operating relative humidity (non condensing)	≤ 95%	≤ 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m
Noise level	< 60 dB(A)	< 60 dB(A)
Weight	120M ~450 kg 180M ~700 kg	240M ~500 kg 320M ~600 kg 400M ~700 kg
Dimensions	H: 2,120 mm W: 750 mm D: 1,050 mm	H: 2,120 mm W: 750 mm D: 1,050 mm

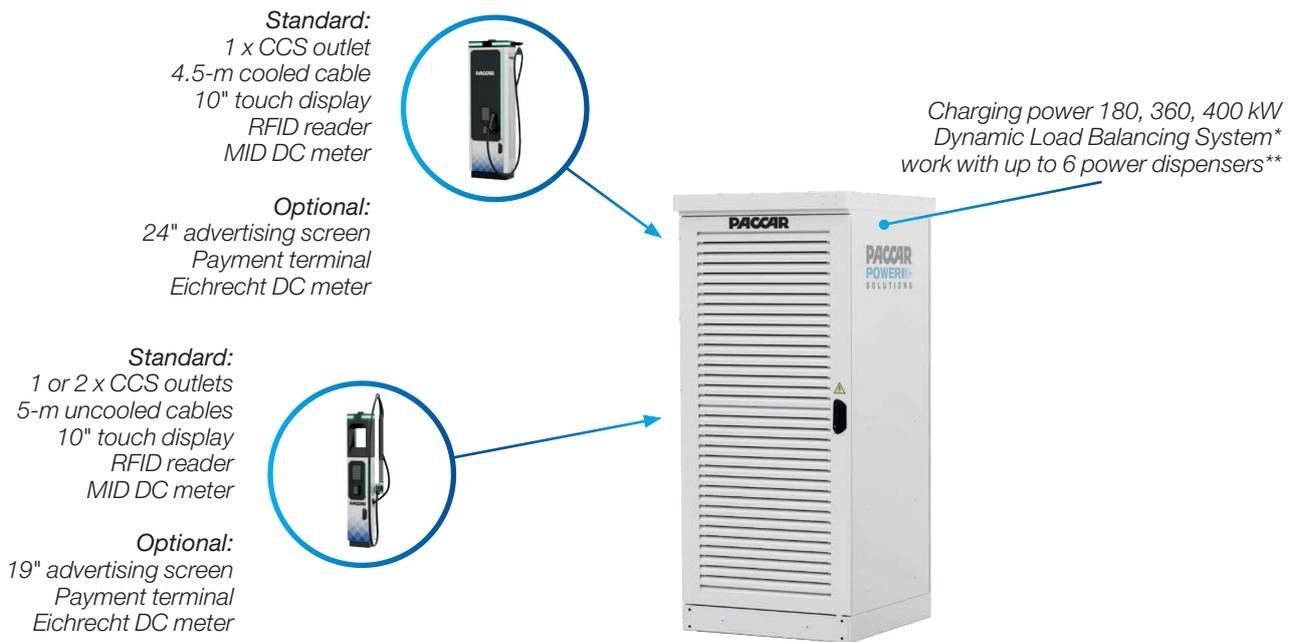
CHARGING 20% TO 80%	ChargeMax 120 – 180M	ChargeMax 240 – 320 – 400M
XB Electric (282 kWh)	1 - 1,5 hrs	1 – 1.5 hr
XD & XF Electric (315 kWh)	1 - 1,5 hrs	30 – 50 min
XD & XF Electric (525 kWh)	2 - 2,5 hrs	60 – 80 min

Charging times calculated based on using 1 outlet with max. power available.

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

# POWERCHOICE CHARGERS OVERVIEW

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.



\*Available for 180 and 360-kW version. The 400-kW version can share the charging power equally between power dispensers

\*\*Available for 180 and 360-kW version. The 400-kW version can work with 2 power dispensers



# POWERCHOICE M RANGE



TECHNICAL SPECIFICATIONS	PowerChoice 180M	PowerChoice 360M	PowerChoice 400M
Maximum charging power	180 kW	360 kW	400 kW or 2 x 200 kW
Maximum charging current	500 A	500 A	750 A
Output voltage range	150 - 1,000 V	150 - 1,000 V	150 - 1,000 V
Input power	198 kVA	396 kVA	435 kVA
Maximum number of dispensers	6	6	2
DLBS/power sharing	DLBS (30-kW steps)	DLBS (60-kW steps)	Power sharing 50/50
Energy efficiency	> 95%	> 95%	> 95%
Operating ambient temperatures	-35 to +55°C (derating > +40°C)	-35 to +55°C (derating > +40°C)	-35 to +55°C (derating > +40°C)
Operating relative humidity (non condensing)	≤ 95%	≤ 95%	≤ 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m	≤ 2,000 m
Noise level	65 dB(A) at 1 meter	65 dB(A) at 1 meter	65 dB(A) at 1 meter
Weight	860 kg	980 kg	1,000 kg
Dimensions	H: 2,300 mm W: 1,000 mm D: 1,050 mm	H: 2,300 mm W: 1,000 mm D: 1,050 mm	H: 2,300 mm W: 1,000 mm D: 1,050 mm

## POWER DISPENSER M RANGE

compatible with PowerChoice 180M, 360M and 400M



TECHNICAL SPECIFICATIONS	PD-400M	PD-600M-HPC
Maximum charging current	400 A 500 A (peak for ~15 min)	500 A 600 A (peak for ~15 min)
DC meter	MID Eichrecht (optional)	MID Eichrecht (optional)
Screen type	10" touch display 19" AD display (optional) Double displays for pass-through version	10" touch display 24" AD display (optional)
RFID / NFC	Y	Y
Payment terminals (optional)	Payter Apollo PAX IM30 Valina	Payter Apollo PAX IM30 Valina
Number of outlets x standard cable length	1 x 5 m uncooled (right or left side) 2 x 5 m uncooled (front or pass-through)	1 x 4.5 m cooled
Extended cable length (optional)	N	N
Charging cable options	Cable Right Cable Left 2 Cables 2 Cables Pass-through version	-
Operating ambient temperatures	-35 to +55°C (derating > +40°C)	-35 to +55°C (derating > +40°C)
Operating relative humidity (non condensing)	≤ 95%	≤ 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m
Noise level	< 34 dB(A)	< 55 dB(A)
Weight	~180 kg	~330 kg
Dimensions	H: 2,000 mm W: 400 mm D: 290 mm	H: 2,300 mm W: 910 mm D: 622 mm

CHARGING 20% TO 80%	PD-400M	PD-600M-HPC
XB Electric (282 kWh)	1 – 1.5 hr	1 – 1.5 hr
XD & XF Electric (315 kWh)	45 – 60 min	30 – 45 min
XD & XF Electric (525 kWh)	70 – 90 min	50 – 70 min

Charging times calculated based on using 1 outlet with max. power available.

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

# POWERCHOICE X RANGE



TECHNICAL SPECIFICATIONS	PowerChoice 180X	PowerChoice 360X
Maximum charging power	180 kW	360 kW
Maximum charging current	250 A	500 A
Output voltage range	150 - 1,000 V	150 - 1,000 V
Input power	205 kVA	2x 205 kVA
Maximum number of dispensers	3 or 2 + 1 x 6.5 m integrated charging cable	3
DLBS/power sharing	DLBS (60-kW steps)	DLBS (120-kW steps)
Energy efficiency	> 96%	> 96%
Operating ambient temperatures	-20 to +45°C (derating > +40°C)	-20 to +45°C (derating > +40°C)
Operating relative humidity (non condensing)	5 to 95%	5 to 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m
Noise level	< 60 dB(A)	< 60 dB(A)
Weight	~600 kg (excl. cable)	1,200 kg
Dimensions	H: 2,300 mm W: 800 mm D: 800 mm	H: 2,300 mm W: 1,600 mm D: 800 mm

## POWER DISPENSER X RANGE

Compatible with PowerChoice 180X and 360X



TECHNICAL SPECIFICATIONS	PD-250X	PD-500X
Maximum charging current	250 A	400 A 500 A (peak for ~25 min)
DC meter (optional)	MID Eichrecht	MID Eichrecht
Screen type	N	10" touchscreen
RFID / NFC	Y	Y
Payment terminals (optional)	N	Payter Apollo
Number of outlets x standard cable length	1 x 6 m	1 x 5.8 m
Extended cable length (optional)	1 x 9.5 m	N
Operating ambient temperatures	-25 to +45°C (derating > +40°C)	-25 to +45°C (derating > +40°C)
Operating relative humidity (non condensing)	5 to 95%	5 to 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m
Noise level	< 55 dB(A)	< 55 dB(A)
Weight	~83 kg	~150 kg
Dimensions	H: 1,400 mm W: 450 mm D: 250 mm	H: 2,320 mm W: 335 mm D: 420 mm

CHARGING 20% TO 80%	PD-250X	PD-500X
XB Electric (282 kWh)	1 – 1.5 hr	1 – 1.5 hr
XD & XF Electric (315 kWh)	1 – 1.5 hr	30 – 45 min
XD & XF Electric (525 kWh)	2 – 2.5 hr	50 – 70 min

Charging times calculated based on using 1 outlet with max. power available.

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

# PACMOBILE CHARGER

The PacMobile charger is the ideal solution for applications where maximum flexibility is required. The PacMobile charger has a maximum charging power of 40 kW continuously. The charger offers the possibility to reduce the charging power to 22 kW or 11 kW. They are ideal for applications where maximum flexibility is required.



TECHNICAL SPECIFICATIONS	PacMobile 40X
Maximum charging power	40 kW
Maximum charging current	80 A
Output voltage range	150 - 1,000 V
Input current	63 A
Screen type	N
RFID / NFC	N (plug & play)
Number of outlets x standard cable length	1 x 3 m DC 1 x 3 m AC
Extended DC charging cable length (optional)	1 x 5.5 m DC 1 x 5 m AC
Extended AC power cable length (optional)	N
Energy efficiency	94%
Operating ambient temperatures	-25 to +45°C (derating > +40°C)
Operating relative humidity (non condensing)	5 to 90%
Operating max. altitude	≤ 2,000 m
Noise level	< 55 dB(A)
Weight	~120 kg
Dimensions	H: 959 mm W: 720 mm D: 563 mm

CHARGING 20% TO 80%	
XB Electric (282 kWh)	4 hrs
XD & XF Electric (315 kWh)	5 hrs
XD & XF Electric (525 kWh)	8 hrs

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

## PACCAR CHARGERS

# 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 CHARGERS M-RANGE

Connected services	EOS
Software updates	Over The Air software updates

	GOLD SLA SERVICE	SILVER SLA SERVICE	BRONZE SLA SERVICE
First level (24/7 helpdesk)	24/7 helpdesk	24/7 helpdesk	24/7 helpdesk
Second level	1 hour (remote)	4 hours (remote)	8 hours (remote)
Third level	24 hours (on-site)*	48 hours (on-site)*	72 hours (on-site)*
Maintenance	Included	Included	Included
Maintenance parts (preventive)	Included	Included	Included
Travel & lodging	Included	Included	Included

\* On-site response time may vary depending on the location

### PACCAR CHARGERS X-RANGE STATIONARY

Connected services	Chargesight
Software updates	Over The Air software updates

	GOLD SLA SERVICE	SILVER SLA SERVICE	BRONZE SLA SERVICE
First level	24/7 helpdesk	24/7 helpdesk — during business hours**	24/7 helpdesk — during business hours**
Second level	2 hours – during business hours** or 4 hours – outside business hours (remote)	Next business day (remote)	Within one week (remote)
Third level	Within 24 hours phone support	Within one week (on-site)***	To be planned****
Maintenance	Included	Included	Not included
Maintenance parts (preventive)	Included	Included	Not included
Travel & lodging	Included	Not included	Not included

### PACCAR CHARGERS X-RANGE MOBILE

Connected services	Chargesight
Software updates	Over The Air software updates

	GOLD SLA SERVICE	SILVER SLA SERVICE	BRONZE SLA SERVICE
First level	24/7 helpdesk Within 2 hours phone support	24/7 helpdesk — during business hours**	24/7 helpdesk - during business hours**
Second level	Within 24 hours SWAP charger after 1st line support	Next business day (remote)	Within 1 week (on site)***

\* Applicable for NL, BE, DE, UK, LU, SE, NO, DK

\*\* Standard business hours, Monday to Friday: 08:00 – 16:00

\*\*\* On-site response time may vary depending on the location

\*\*\*\* Invoiced separately

## CHARGEMAX OVERVIEW

	Charging power	Charging cable length	Screen	DC meter	Payment terminal
<b>ChargeMax 120M</b>	S: 120 kW O: 180 kW	S: 2 x 5 m uncooled O: 2 x 7 or 9.5 m uncooled	S: 10" touch display O: 24" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina
<b>ChargeMax 180M</b>	S: 180 kW	S: 2 x 5 m uncooled O: 2 x 7 or 9.5 m uncooled	S: 10" touch display O: 24" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina
<b>ChargeMax 240M</b>	S: 240 kW O: 320 or 400 kW	S: 2 x 5 m uncooled O: 2 x 7 or 9.5 m uncooled or 2 x 5 m cooled	S: 10" touch display O: 24" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina
<b>ChargeMax 320M</b>	S: 320 kW O: 400 kW	S: 2 x 5 m uncooled O: 2 x 7 or 9.5 m uncooled or 2 x 5 m cooled	S: 10" touch display O: 24" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina
<b>ChargeMax 400M</b>	S: 400 kW	S: 2 x 5 m uncooled O: 2 x 7 or 9.5 m uncooled or 2 x 5 m cooled	S: 10" touch display O: 24" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina

\*S: Standard and O: Optional

## POWERCHOICE & POWER DISPENSER OVERVIEW

	Number of dispensers/ outlets	Charging cable length	Screen	DC meter	Payment terminal
<b>PowerChoice 180M</b>	1, 2, 3, 4, 5 or 6	NA	NA	NA	NA
<b>PowerChoice 360M</b>	1, 2, 3, 4, 5 or 6	NA	NA	NA	NA
<b>PowerChoice 400M</b>	1 or 2	NA	NA	NA	NA
<b>PowerChoice 180X</b>	1, 2 or 3	O: 1 x 6.5 m integrated charging cable	NA	NA	NA
<b>PowerChoice 360X</b>	1, 2 or 3	NA	NA	NA	NA
<b>PD-400 M</b>	1 or 2	S: 1 or 2 x 5 m uncooled	S: 10" touch display O: 19" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina
<b>PD-600HPC M</b>	1	S: 1 x 4.5 m cooled	S: 10" touch display O: 24" advertisement display	S: MID or O: Eichrecht	O: Payter Apollo or PAX IM30 or Valina
<b>PD-250X</b>	1	S: 1 x 6 m uncooled O: 1 x 9.5 m uncooled	N	S: MID or O: Eichrecht	N
<b>PD-500X</b>	1	S: 1 x 5.8 m uncooled	S: 10" touch display	S: MID or O: Eichrecht	O: Payter Apollo

\*S: Standard and O: Optional

## PACMOBILE OVERVIEW

	Charging cable length	Power cable length	Screen	RFID	Payment terminal
<b>PacMobile 40X</b>	S: 1 x 3 m DC O: 1 x 5.5 m DC	S: 1 x 3 m AC O: 1 x 5 m AC	N	N (plug & play)	N

\*S: Standard and O: Optional



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ISO14001  
 Environmental  
 Management System



IATF16949  
 Quality  
 Management System

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