



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.



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 60 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 60, 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

Optional:
24" advertising screen
Payment terminal
MID/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.



Charging power 240 & 360 kW
Power sharing at 50/50 per outlet
Upgradeable power 240 to 360 kW
Long peak power

Standard:
10" touch display
RFID reader
Payment terminal

Optional:
21.5" advertising screen
MID/Eichrecht DC meter

Standard:
2 X CCS outlets
2 X 6-m uncooled cables



CHARGEMAX LOW/MEDIUM POWER RANGE



TECHNICAL SPECIFICATIONS	ChargeMax 60M	ChargeMax 120 – 180M
Maximum charging power	60 kW or 2 x 30 kW	120 or 2 x 60 kW 180 or 2 x 90 kW
Maximum charging current	200 A	120M - 250 A 180M - 400 A 500 A (peak for ~ 15 min)
Output voltage range	150 - 1,000 V	150 - 1,000 V
Input current	95 A	120M - 190 A 180M - 286 A
Upgradeable power	N	120 to 180 kW
DC meter (optional)	MID Eichrecht	MID Eichrecht
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 IM30 Valina Ingenico	Payter Apollo PAX IM 30 Valina Ingenico
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
DLBS/power sharing	Power sharing 50/50	Power sharing 50/50
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	~450 kg	120M ~450 kg 180M ~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%		
XB Electric (282 kWh)	2.5 – 3 hr	1 – 1.5 hr
XD & XF Electric (315 kWh)	3 – 3.5 hr	1 – 1.5 hr
XD & XF Electric (525 kWh)	5 – 5.5 hr	1.5 – 2 hr

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.

CHARGEMAX HIGH POWER RANGE



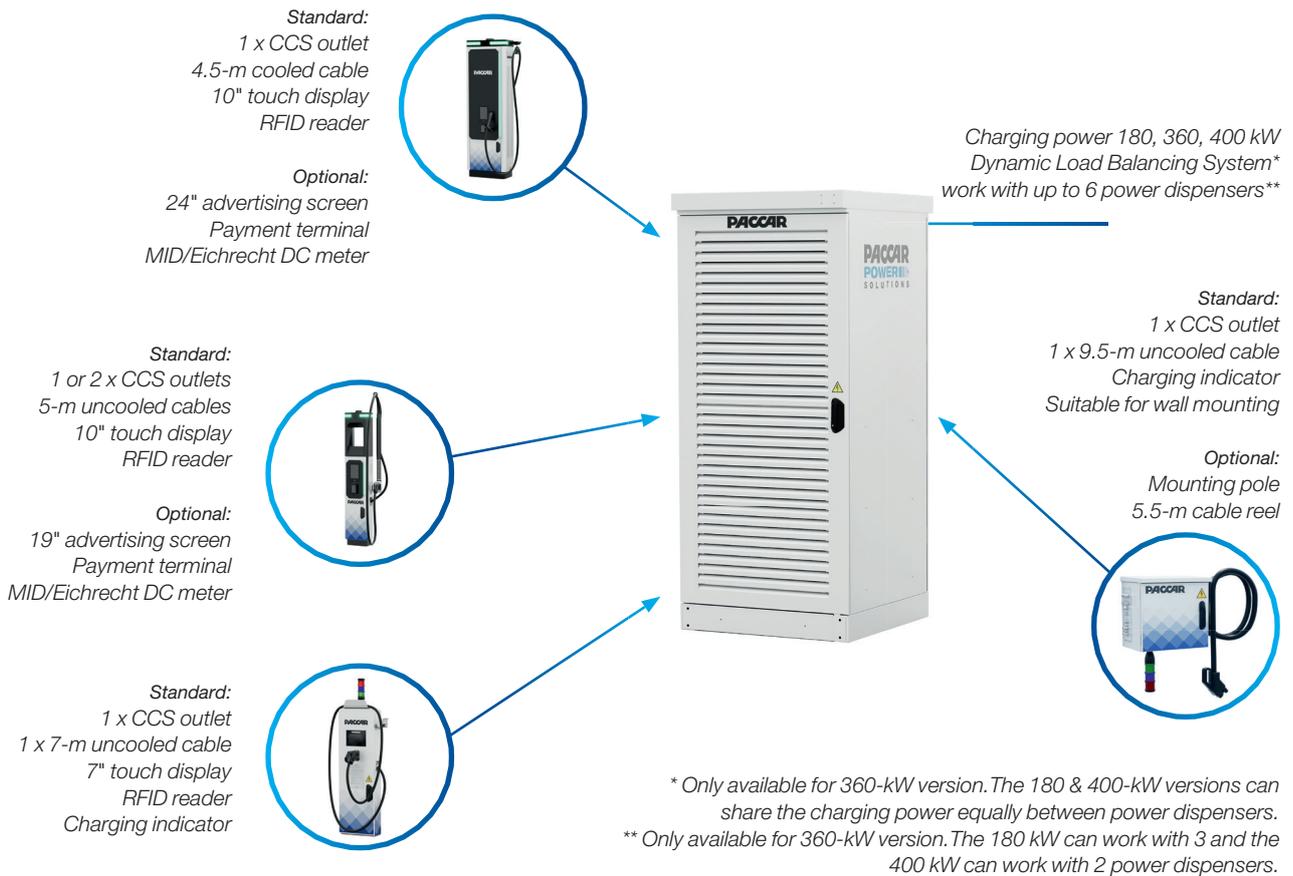
TECHNICAL SPECIFICATIONS	ChargeMax 240 – 320 – 400M	ChargeMax 240 – 360X
Maximum charging power	240, 320 or 400 kW	240 or 2 x 120 kW 360 or 2 x 180 kW
Maximum charging current	400 A 500 A (peak for ~15 min)	400 A 500 A (peak for ~60 min)
Output voltage range	150 - 1,000 V	170 - 935 V
Input current	240M - 381 A 320M - 508 A 400M - 617 A	240X - 406 A 360X - 608 A
Upgradeable power	240 to 320 to 400 kW	240 to 360 kW
DC meter (optional)	MID Eichrecht	MID Eichrecht
Screen type	10" touch display 24" AD display (optional)	10" touch display 21.5" AD display (optional)
RFID / NFC	Y	Y
Payment terminals (optional)	Payter Apollo PAX IM30 Valina Ingenico	Payter Apollo (included as standard)
Number of outlets x standard cable length	2 x 5 m uncooled	2 x 6 m uncooled
Extended cable length (optional)	7 or 9.5 m uncooled 5 m cooled	N
DLBS/power sharing	DLBS (80-kW steps)	Power sharing 50/50
Energy efficiency	> 95%	> 96%
Operating ambient temperatures	-25 to +55°C (derating > +40°C)	-30 to +50°C (derating > +45°C)
Operating relative humidity (non condensing)	≤ 95%	20 to 90%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m
Noise level	< 60 dB(A)	< 65 dB(A)
Weight	240M ~500 kg 320M ~600 kg 400M ~700 kg	240X ~620 kg 360X ~700 kg
Dimensions	H: 2,120 mm W: 750 mm D: 1,050 mm	H: 2,231 mm W: 803 mm D: 876 mm

CHARGING 20% TO 80%		
XB Electric (282 kWh)	1 – 1.5 hr	1 – 1.5 hr
XD & XF Electric (315 kWh)	30 – 50 min	30 – 40 min
XD & XF Electric (525 kWh)	60 – 80 min	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.



POWERCHOICE M RANGE



TECHNICAL SPECIFICATIONS	PowerChoice 180M	PowerChoice 360M	PowerChoice 400M
Maximum charging power	180 kW or 3 x 60 kW	360 kW	400 kW or 2 x 200 kW
Maximum charging current	250A	500 A	750 A
Output voltage range	150 - 1,000 V	150 - 1,000 V	150 - 1,000 V
Input current	286 A	572 A	628 A
Maximum number of dispensers	3	6	2
DLBS/power sharing	Power sharing	DLBS (60-kW steps)	Power sharing 50/50
Energy efficiency	> 95%	> 94%	> 94%
Operating ambient temperatures	-25 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	< 60 dB(A)	< 70 dB(A)	< 65 dB(A)
Weight	~550 kg	~1,300 kg	~1,300 kg
Dimensions	H: 2,000 mm W: 750 mm D: 980 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-Box M	PD-Basic M	PD-400 M	PD-600HPC M
Maximum charging current	250 A	400 A 500 A (peak for ~15 min)	400 A 500 A (peak for ~15 min)	500 A 600 A (peak for ~15 min)
DC meter (optional)	N	N	MID Eichrecht	MID Eichrecht
Screen type	N	7" touch display	10" touch display 19" AD display (optional) Double displays for pass-through version	10" touch display 24" AD display (optional)
RFID / NFC	N	Y	Y	Y
Payment terminals (optional)	N	N	Payter Apollo PAX IM30 Valina Ingenico	Payter Apollo PAX IM30 Valina Ingenico
Number of outlets x standard cable length	1 x 9.5 m	1 x 7 m	1 x 5 m uncooled (right or left side) 2 x 5 m uncooled (front or pass-through)	1 x 4.5 cooled
Extended cable length (optional)	5.5 m cable reel	N	N	N
Operating ambient temperatures	-25 to +55°C (derating > +40°C)	-25 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%	≤ 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m	≤ 2,000 m	≤ 2,000 m
Noise level	< 34 dB(A)	< 34 dB(A)	< 34 dB(A)	< 55 dB(A)
Weight	~60 kg	~150 kg	~180 kg	~330 kg
Dimensions	H: 804 mm W: 519 mm D: 379 mm	H: 1,673 mm W: 400 mm D: 168 mm	H: 2,000 mm W: 400 mm D: 290 mm	H: 2,300 mm W: 910 mm D: 622 mm

CHARGING 20% TO 80%				
XB Electric (282 kWh)	1 – 1.5 hr	1 – 1.5 hr	1 – 1.5 hr	1 – 1.5 hr
XD & XF Electric (315 kWh)	1 – 1.5 hr	45 – 60 min	45 – 60 min	30 – 45 min
XD & XF Electric (525 kWh)	2 – 2.5 hr	70 – 90 min	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 current	280 A	593 A
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)	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%		
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 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 30M	PacMobile 40X	PacMobile 60M	PacMobile80M
Maximum charging power	30 kW	40 kW	60 kW	80 kW or 2 x 40 kW
Maximum charging current	100 A	80 A	100 A	133 A
Output voltage range	150 - 1,000 V	150 - 1,000 V	150 - 950 V	150 - 950 V
Input current	47 A	63 A	95 A	127 A
Screen type	7" touch display	N	7" touch display	7" touch display
RFID / NFC	Y	N (plug & play)	Y	Y
Number of outlets x standard cable length	1 x 4m DC	1 x 3 DC 1 x 3 AC	1 x 6 m DC	2 x 6 m DC
Extended DC charging cable length (optional)	N	5.5 DC 5 m AC	N	N
Extended AC power cable length (optional)	5 m (63 A or 125 A) AC 10 m (63 A or 125 A) AC	N	5 m (63 A or 125 A) or 10 m (63 A or 125 A) AC	5 m (63 A or 125 A) or 10 m (63 A or 125 A) AC
Energy efficiency	> 94%	94%	> 95%	> 95%
Operating ambient temperatures	-25 to +45°C (derating > +40°C)	-25 to +45°C (derating > +40°C)	-25 to +55°C (derating > +40°C)	-25 to +55°C (derating > +40°C)
Operating relative humidity (non condensing)	≤ 95%	5 to 90%	≤ 95%	≤ 95%
Operating max. altitude	≤ 2,000 m	≤ 2,000 m	≤ 2,000 m	≤ 2,000 m
Noise level	< 60 dB(A)	< 55 dB(A)	< 65 dB(A)	< 65 dB(A)
Weight	~50 kg	~120 kg	~210 kg	~310 kg
Dimensions	H: 1,003 mm W: 630 mm D: 449 mm	H: 959 mm W: 720 mm D: 563 mm	H: 1,056 mm W: 900 mm D: 609 mm	H: 1,200 mm W: 1,260 mm D: 860 mm

CHARGING 20% TO 80%				
XB Electric (282 kWh)	5.5 – 6 hr	4 – 4.5 hr	2.5 – 3 hr	2 – 2.5 hr
XD & XF Electric (315 kWh)	6.5 – 7 hr	4 – 4.5 hr	3 – 3.5 hr	2 – 2.5 hr
XD & XF Electric (525 kWh)	10.5 – 11 hr	7.5 – 8 hr	5 – 5.5 hr	3.5 – 4 hr

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.



PACMOBILE 30-80M, CHARGEMAX 60-400M, POWERCHOICE 180-400M & POWER DISPENSERS M

Connected services	EOS
Software updates	Over The Air software updates
Replacement mobile charger	Not included

	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

PACMOBILE 40X, CHARGEMAX 240-360X, POWERCHOICE 180-360 X & POWER DISPENSERS X*

Connected services	Chargesight
Software updates	Over The Air software updates
Replacement mobile charger	Included

	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 3 days (on-site)***	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

* 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
ChargeMax 60M	S: 60 kW	S: 2 x 5 m uncooled O: 2 x 7 or 9.5 m uncooled	S: 10" touch display O: 24" advertisement display	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
ChargeMax 120M	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	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
ChargeMax 180M	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	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
ChargeMax 240M	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	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
ChargeMax 240X	S: 240 kW O: 360 kW	S: 2 x 6 m	S: 10" touch display O: 21.5" advertisement display	O: MID or Eichrecht	S: Payter Apollo
ChargeMax 320M	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	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
ChargeMax 360X	S: 360 kW	S: 2 x 6 m	S: 10" touch display O: 21.5" advertisement display	O: MID or Eichrecht	S: Payter Apollo
ChargeMax 400M	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	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico

*S: Standard and O: Optional

POWERCHOICE & POWER DISPENSER OVERVIEW

	Number of dispensers/ outlets	Charging cable length	Screen	DC meter	Payment terminal
PowerChoice 180M	1, 2 or 3	NA	NA	NA	NA
PowerChoice 360M	1, 2, 3, 4, 5 or 6	NA	NA	NA	NA
PowerChoice 400M	1 or 2	NA	NA	NA	NA
PowerChoice 180X	1, 2 or 3	O: 1 x 6.5 m integrated charging cable	NA	NA	NA
PowerChoice 360X	1, 2 or 3	NA	NA	NA	NA
PD-Box M	1	S: 1 x 9.5 m uncooled O: 5.5 m cable reel	N	N	N
PD-Basic M	1	S: 1 x 7 m uncooled	S: 7" touch display	N	N
PD-400 M	1 or 2	S: 1 or 2 x 5 m uncooled	S: 10" touch display O: 19" advertisement display	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
PD-600HPC M	1	S: 1 x 4.5 m cooled	S: 10" touch display O: 24" advertisement display	O: MID or Eichrecht	O: Payter Apollo or PAX IM30 or Valina or Ingenico
PD-250X	1	S: 1 x 6 m uncooled O: 1 x 9.5 m uncooled	N	O: MID or Eichrecht	N
PD-500X	1	S: 1 x 5.8 m uncooled	S: 10" touch display	O: MID or Eichrecht	O: Payter Apollo

*S: Standard and O: Optional

PACMOBILE OVERVIEW

	Charging cable length	Power cable length	Screen	RFID	Payment terminal
PacMobile 30M	S: 1 x 4 m DC	S: not included O: 5 m (63 A or 125 A) or 10 m (63 A or 125 A) AC	S: 7" touch display	S: Y	N
PacMobile 40X	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
PacMobile 60M	S: 1 x 6 m DC	S: not included O: 5 m (63 A or 125 A) or 10 m (63 A or 125 A) AC	S: 7" touch display	S: Y	N
PacMobile 80M	S: 2 x 6 m DC	S: not included O: 5 m (63 A or 125 A) or 10 m (63 A or 125 A) AC	S: 7" touch display	S: Y	N

*S: Standard and O: Optional



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ISO 14001
Environmental
Management System



IATF 16949
Quality
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