Pelican EV
Charging Solutions

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High Performance 120kW DC Charger



The Pelican EV 120kW High Performance DC Charger is designed for super fast charging requirements in a permanent fixed infrastructure environment.



The intelligent charging technology includes smart charging management, detailed information reporting, an easy-to-use operator interface with a touch screen and user-friendly display.

The charger has an inbuilt safety system and is suitable for standing outside in all types of weather.

Benefits of the Pelican EV 120kW DC Charger:

- Tried and tested quality - over 50,000 units supplied
- 4 year manufacturer warranty
- Suitable for rapid charging any vehicle
- European standard CCS2 charger connection

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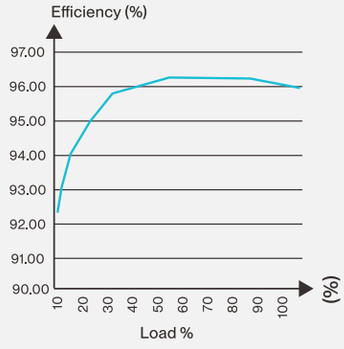
High Performance 120kW DC Charger

Product Name:	High Performance 120kW DC Charger
Maximum Output Power:	120kW DC
AC Input:	Maximum input current: 216A Residual current circuit breaker: 315A Number of phase: 3 phase Voltage: AC400V±15% Frequency range: 45Hz-65Hz. Rated power factor: Above 0.99 (under rated current output)
DC Output:	Charging standard: CCS2 Output voltage: DC300~750V Maximum output current: 300A
Efficiency:	Above 95% (underrated current output)
AC Circuit DC Circuit Insulation:	Insulator
Operation Display Part:	7-inch touch screen
Protection Grade:	IP55
Noise:	Below 65dB (underrated current output)
Dimensions:	551mm(d) *960mm(w) *1650mm(h)

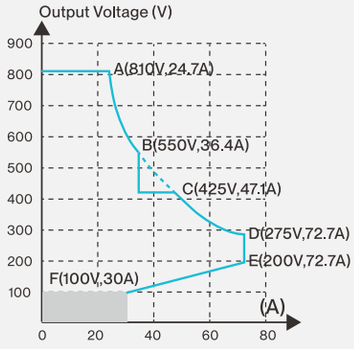


Other:	Working temperature range: -30°C~+55°C. Working humidity range: 5-95% Below altitude 2,000m (reduce the rating according to specifications when altitude is over 2,000m) Communications Interface: CAN, 485, 4G or Ethernet RFID system: ISO/IEC 14443A/B, ISO/IEC 15393, NFC, UKCA compliance and safety

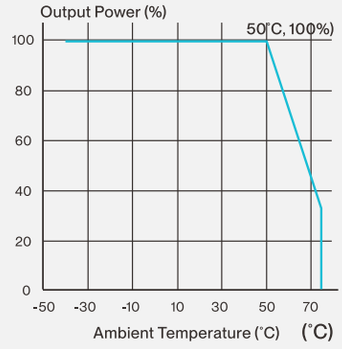
Efficiency Curve



Constant Power Characteristic Curve



Power Temperature Curve



Typical example charging times for the Pelican EV High Performance 120kW Charger

Electric Vehicle	Charging time for Pelican EV 120kW Charger
Audi e-tron / Porsche Taycan 93.4kWh	around 45 minutes
TCe12 electric coach (281kWh battery)	around 2-3 hours
E10/E12 electric bus	around 2 hours

**Power from the unit represents the maximum charging speed available. Charging speed will reduce as the battery gets closer to full charge, so times are quoted for a charge of 85%. This maximises charging efficiency and helps protect the battery.*

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