



# Power container eC120

The eC120 container is the energy supply unit for the small DC charging station.

The redundant design with modular ACDC converters is the basis for a highly available charging solution. By optional partial equipping it is possible to grow continuously with the power requirements of the e-mobility market.

- 1 to 8 x 15 kW input converters, galvanically insulating
- 15 to 120 kW charging power distributed to up to 2 charging points
- Input voltage AC 400 V (low voltage)
- Insulation monitoring acc. to EN 61851-23
- 200 V up to 950 V DC output
- Connection options for various charging poles:
  - eTwin, eCombi, eSingle, eMixed

# Power container eC120 data sheet

The power container is connected to a low-voltage network and supplies the charging poles with the required charging current. The low-voltage container fulfills the following functions:

- the conversion from alternating current supplied by the mains to direct current
- safety monitoring of the connected charging poles
- the distribution of charging capacity to the charging points as needed

The components mounted into the low-voltage container are accessible via doors on the front and back side. Through openings in the doors and in the cover hood, a heat exchange takes place by air circulation.



## Electrical data

Nom. voltage AC	400 Vac
Nom. current AC	up to 105 A
Frequency	50/60 Hz
Power input	16 - 125 kVA
Nom. charging power	15 - 120 kW
EMC	EN 61000-6-2 EN 61851-21-2
Electrical safety	EN 60664-1
Efficiency	96%
Electrical connection	
Input	max. 5 x 50 mm <sup>2</sup>
Output	each charging point - plus/minus - Ethernet
Charging points	1, optionally 2

## Environmental conditions

Ambient temperature during normal operation	-25°C to 45°C
Relative humidity	5% - 95%
Cabinet heating	prevents condensate
Operation altitude	up to 2000 m
Operating noise	< 60 dBA
Protection class	IP 54
Weight	< 0,5 t
Dimensions	
Width	1349 mm
Depth	660 mm
Height	2444 mm

## Communication

GSM / 4G / LTE  
Ethernet LAN/WLAN