

# UNITY<sup>180</sup>

## POWER CHARGING



**KOSTAD**

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# UNITY<sup>180</sup> POWER CHARGING

Electric vehicles are charged with up to 180kW with the Unity180 fast charging station. The charging station is optimised for public and semi-public areas, whether at motorway service stations, company car parks, shopping centres, parking garages or in depots for buses and commercial vehicles.

The Unity180 supports the 3 charging standards widely used in Europe. Type2 (AC), CHAdeMO (DC) and CCS (DC). Two DC charging processes with 90kW each can run simultaneously with one AC process with 22kW, or one vehicle can be charged with up to 180kW. The integrated load management system guarantees a fair distribution of the available

power when charging two vehicles in simultaneously via DC cable. The station communicates via the OCPP 1.6 JSON protocol, an upgrade to OCPP 2.0 is possible at any time. „ChargeSphere - powered by Kostad“ is the perfect addition to your fast charging solution for a web-based, efficient control and management system with which you can keep an eye on your charging stations at all times.

The features at a glance:

- Quality „Made in Austria“
- Diverse combination options
- Up to 180kW charging power
- 1000 VDC
- 15 “LCD high-contrast touchscreen
- Liquid-cooled charging lines (optional)
- Dynamic load management
- Installation of an AC socket 22kW for all  
Optional designs possible
- MID measurement & calibration-compliant solution optional

## Description

## Kostad UNITY 180

Type of cargo	DC fast charge & AC Type 2 charge
Outputs	CCS, CHAdeMo, AC Type 2 Socket
AC input power	C, CC, CJ: 280 A, 192 kVA @ 50Hz @400V / CCT/CJT: 310 A, 214 kVA @ 50Hz @400V
Input voltage range	400 VAC +/- 10% (50Hz or 60 Hz) -CE version
DC output power	180 kW (1x180kW or 2x90kW parallel charging)
AC output power (optional)	22 kW
DC output voltage	200-1000 VDC
Number of vehicles loaded	3
Cable length	3.5 m optional: 4/5/6/8 m
Max. Current of the CCS charging line	250 A/ 400 A(peak) 500 A liquide cooling (option)
Max. Current of the CHAdeMO charging line	125 A, 200 A (option)
EMC	Class B (residential) conducted and Class B (residential) radiated emissions according to EN 6100-6-3: 2007
Network type	TN-S, TN-C, TN-C-S, TT (requires external RCD)
Mains connection	3P + PE / 3P + N + PE (AC option)
Protection class	Overcurrent, overvoltage, undervoltage, insulation monitoring, integrated overvoltage protection

Mehr Informationen im Datenblatt