

UNITY¹⁵⁰

POWER CHARGING



KOSTAD

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YOUR STRONG PARTNER IN THE MATTER OF ELECTRIC MOBILITY
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The Unity150 fast charging station charges electric vehicles with up to 150kW. The powerful charging station guarantees a shortened charging time for up to 3 vehicles at the same time. 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 Unity150 supports the 3 charging standards widely used in Europe. Type2 (AC), CHAdeMO (DC) and CCS (DC). Two DC charging processes with 75kW each can run simultaneously with one AC process with 22kW, or one vehicle can be charged with up to 150kW. 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 150kW charging power
- 1000 VDC
- Low maintenance and low wear
- Liquid-cooled charging lines (optional)
- Dynamic load management
- MID measurement & calibration law compliant solution optional

description

Kostad UNITY 150

Type of cargo	DC fast charge & AC Type 2 charge
Outputs	CCS, CHAdeMo, AC Type 2 Socket
AC input power	C, CC, CJ: 224 A, 160 kVA @ 50Hz @ 400V CCT/CJT: 256 A, 177 kVA @ 50Hz @ 400V (inkl. AC opt.)
Input voltage range	400 VAC +/- 10% (47-63HZ) -CE version
DC output power	150 kW (1x150kW or 2x90kW/ 60kW parallel charging)
AC output power (optional)	22 kW
DC output voltage	200-1000 VDC
Number of vehicles loaded	3
Cable length	3.5 m (from the housing outlet) optional: 4/5/6/8 m
Max. Current of the CCS charging line	250 A/ 400 A(peak) 500 A flüssig gekühlt (option)
Max. Current of the CHAdeMO charging line	125A, 200A (option)
EMC	Class B (residential) conducted and Class B (residential) radiated emissions according to EN 61000-6-3: 2007; EN61581-21-2
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

More information in the data sheet