

UNITY₃₀₀

POWER CHARGING



KOSTAD

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YOUR STRONG PARTNER IN THE MATTER OF ELECTRIC MOBILITY
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UNITY³⁰⁰ POWER CHARGING

With the Kostad fast charging station Unity300, electric vehicles can be charged with up to 300kW, whether at motorway service stations, company parking lots, shopping centres, parking garages or in depots for buses and commercial vehicles. The charging station is optimized for public and semi-public areas and impresses with its sturdy design that guarantees long-term outdoor use thanks to a stainless steel housing. The Unity300 supports the three charging standards widespread in Europe. Type2 (AC), CHAdeMO (DC) and CCS (DC). Two DC charging processes with 150kW each can run simultaneously with one AC process with 22kW, or one ve-

hicle can be charged with up to 300kW. The integrated load management system guarantees a fair distribution of the available power when two vehicles are charged simultaneously via DC cables. 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 all of your charging stations at all time.

The features at a glance:

- Quality „Made in Austria“
- Diverse combination options
- Up to 300kW charging power
- 1000 VDC
- 15“ LCD high-contrast touchscreen
- Liquid-cooled charging lines (optional)
- Dynamic load management
- MID measurement & calibration-compliant solution optional

Description

Kostad UNITY 300

Type of cargo	DC fast charge & AC Type 2 charge
Outputs	CCS, CHAdeMo, AC Type 2 Socket
AC input power	C, CC, CJ: 500 A, 315 kVA @ 50Hz @400V / CCT/CJT: 630 A, 338 kVA @ 50Hz @400V (AC opt.)
Input voltage range	400 VAC +/- 10% (50Hz or 60 Hz) -CE version
DC output power	300 kW (1x300kW or 2x150kW parallel charging)
AC output power (optional)	22 kW
DC output voltage	150-1000 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

More information in the data sheet