

UNITY¹²⁰

POWER CHARGING



KOSTAD

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YOUR STRONG PARTNER IN THE MATTER OF ELECTRIC MOBILITY
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The Unity120 charging station charges electric vehicles with an output power of up to 120kW. With its compact and vandal-proof design, the fast charging station is perfectly suited for use at motorway service stations, petrol stations, shopping centres, fleet operators, public places and much more.

The Unity120 fast charging station supports the charging standards widely used in Europe. Type2 (AC), CHAdeMO (DC) and CCS (DC). Two DC charging processes with 60kW each or one charging process with 120kW. In the case of simultaneous charging, the integrated load management guarantees a fair distribution of the available power.

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 120kW charging power
- 1000 VDC
- Remote maintenance
- OCPP 1.6 J
- Authentication via RFID
- Payment Terminal
- Operating temperature range -30 C to +55 C.
- High efficiency of >95%

Description

Kostad UNITY 120

Type of cargo	DC fast charge & AC Type 2 charge
Outputs	CCS, CHAdeMo, AC Type 2
AC input power	C, CC, CJ: 187 A, 128 kVA @ 50Hz @ 400V CCP/CJP: 218A, 150kVA @ 50Hz @ 400V (22kW) / 250A, 172kVA @ 50Hz @ 400V (43kW)
Input voltage range	400 VAC +/- 10% (47-63HZ) -CE version
DC output power	120kW; 2x60kW (option)
AC output power (optional)	22 kW; 43kW (option)
DC output voltage	200-1000 VDC
Number of vehicles loaded	2; 3 (optional)
Cable length	3.9 m (from the housing outlet) optional: 5/6/8 m
Max. Current of the CCS charging line	200A; 250A/ 400 A(peak) (option)
Max. Current of the CHAdeMO charging line	125A; 200A (optional)
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