

UNITY⁵⁰

POWER CHARGING



RUS **KOSTAD**

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YOUR STRONG PARTNER IN THE MATTER OF ELECTRIC MOBILITY
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UNITY₅₀ POWER CHARGING

The Unity50 charging station charges electric vehicles with an output power of up to 50kW and reduces charging times to less than 30 minutes.

This makes the Power Charger perfect for use at motorway service stations, filling stations, shopping centres, flagship stores, fleet operators and much more. The fast charging station supports the 3 charging standards widely used in Europe. Type2 (AC), CHAdeMO (DC) and CCS (DC). It is possible that one DC and AC charging process run simultaneously.

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 50kW charging power
- 1000 VDC
- Proactive maintenance via technical backend
- OCPP 1.6 JSON
- Authentication via RFID
- Payment Terminal
- Operating temperature range -30 C to +55 C.
- High efficiency of > 95%

Product information

Kostad UNITY 50

Charging type	DC fast charging & AC Type 2 charging
Outlet options	CCS, CHAdeMo, AC Type 2
Input AC power rating	C, CC, CJ: 91 A, 63 kVA @ 50Hz @ 400V CCP/CJP: 125 A, 86 kVA @ 50Hz @ 400V (22kW) / 157 A, 108 kVA @ 50Hz @ 400V (43kW)
Input voltage range	400 VAC +/- 10% (47-63Hz) -CE Version
DC output power rating	50kW ; 60kW (optional) / 2x25kW o. 2x30kW parallel charging (option)
AC output power rating (Optional)	22 kW; 43kW (option)
DC output voltage	200-1000 VDC
Number of EV served	2; 3(option)
Cable length	3.9 m (from cabinet outlet) option: 5/6/8 m
CCS cable maximum current	150A
CHAdeMO cables maximum current	125A
Electro-Magnetic Compatibility	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)
Connector types	3P + PE / 3P + N + PE (AC optional)
Protection	Overcurrent, overvoltage, undervoltage, ground fault including DC leakage protection, integrated surge protection

More information in the data sheet