

# UNITY<sup>90</sup>

## POWER CHARGING



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## UNITY<sub>90</sub> POWER CHARGING

The Unity90 charging station charges electric vehicles with an output power of up to 90kW. This makes the fast charging station perfect for use at motorway service stations, filling stations, shopping centres, fleet operators and much more.

The output power can be increased to up to 120kW at any time with an additional extension package. The fast charging station supports the 3 charging standards widely used in Europe. Type2 (AC), CHAdeMO (DC) and CCS (DC).

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 90kW charging power
- Optional extension up to 120kW possible
- 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%

### Product information

### Kostad UNITY 90

Charging type	DC fast charge & AC Type 2 charge
Outlet options	CCS, CHAdeMo, AC Type 2
Input AC power rating	C, CC, CJ: 140 A, 96 kVA @ 50Hz @ 400V CCP/CJP: 172 A, 118 kVA @ 50Hz @ 400V (22kW) / 205 A, 140 kVA @ 50Hz @ 400V (43kW)
Input voltage range	400 VAC +/- 10% (47-63HZ) -CE version
DC output power rating	90kW / 1x90kW o. 2x60kW/30kW parallel charging (option)
AC output power rating (Optional)	22 kW; 43kW (optional)
DC output voltage	200-1000 VDC
Number of EV served	2; 3 (option)
Cable length	3.9 m (from the housing outlet) optional: 5/6/8 m
CCS cable maximum current	200A; 300A peak (option)
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 option)
Protection	Overcurrent, overvoltage, undervoltage, insulation monitoring, integrated overvoltage protection

More information in the data sheet