

k.Charger

MODULAR ALL-IN-ONE DEVICE
FOR CATENARY CHARGING



Control cabinet housing (KC-DCXXX-CX)



Put to use in Erfurt (Germany)

Our turnkey all-in-one charger is designed for fast and night charging of heavy motor vehicles such as buses and trucks. The modular 19-inch structure allows several configurations for different energy supply

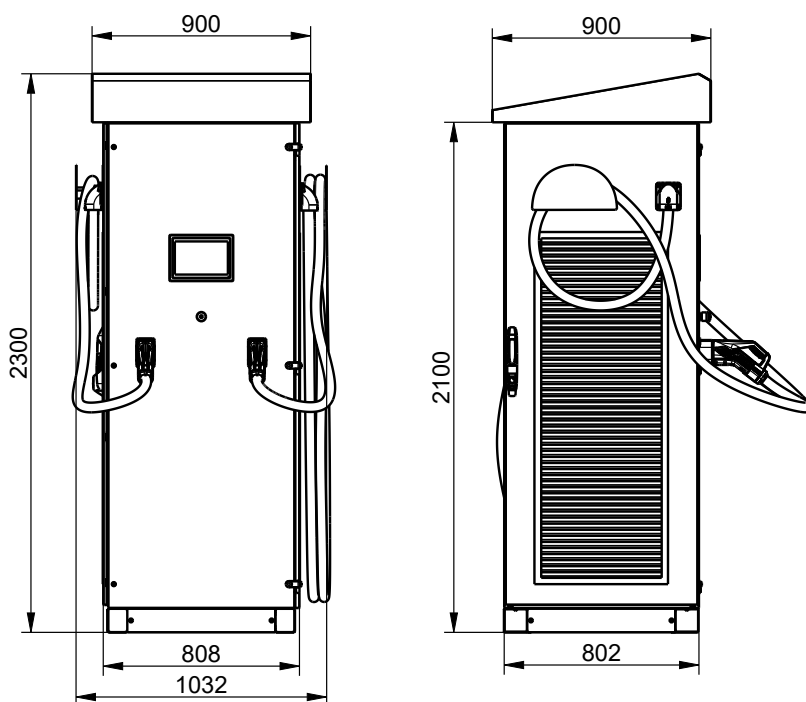
systems and performance requirements, as well as customized housings. The cabinet version is standard and can be used for catenary or public grid charging.

Your advantages

- Energy supply from catenary or public grid
- Available as control cabinet
- Scalable due to modular design
- Charging capacity from 100 - 200 kW per charging point
- 4 or 8 m cable with CCS Combo 2 plug
- Simple and intuitive operation
- Seamless integration into standard charging management software

Drawing / dimensions

KC-DCXXX-C2



Technical data

Shunk hood solutions (for panto up) are also available on request.

Charging Interface	KC-DC200-C1	KC-DC200-C2
Number of interfaces	1	2
Charging power per interface ¹	Max. 200 kW	Max. 100 kW
Fast charging ²	n. a.	Max. 200 kW
Maximum charging current per charging interface	400 A	
Voltage range	150 VDC ... 900 VDC	
Connection interface	4 m cable with CCS2 (optional 8 m)	
Input DC		
Rated power	200 kW	
Input voltage	600VDC - 750VC (400 VDC ... 950 VDC)	
Input power	Max. 400 A (U1= 500V, P2= 200 kW)	
Mechanical specifications		
Housing type	Control cabinet	
Weight	ca. 600 kg	
Cooling	forced air cooling	
Protection class	IP 54 (suitable for outdoor use)	
Environmental conditions		
Operating temperature	-20°C bis +55°C	
Relative humidity	95 % (non condensing)	
Efficiency	≥ 95 %	
Noise level	≤ 65 dB in 1 m distance	
Standards		
Charing station	IEC 61851-23	
Vehicle communication	ISO 15118, VDV 261	
Backend communication	OCPP V2.0.1 / V1.6 JSON	
Product conformity	CE (low voltage, machinery and EMC directive)	

¹ If charging takes place simultaneously at all outputs.

² The "quick charge" function is only available for devices with 2 outputs and is only possible if charging is not taking place at the second output.

Focus

With the modular and scalable building block system we offer a solution that can be perfectly adapted to the individual requirements of transport companies and logistics centers. Whether depot solutions for bus fleets or customized charging infrastructure for special vehicles – our range of products provides the flexibility that modern operators need. Maximum reliability and a design that is optimized for quick and easy maintenance, guarantees operational readiness with minimum downtime a decisive factor for

continuity in line operation. The robust construction and the ability to adapt the system to different locations and housing shapes make our charger the ideal choice for municipal transportation companies, engineering offices and fleet operators. With our solution, we offer the basis for a future-proof and efficient charging infrastructure that meets the increasing requirements of climate-friendly public transport. Flexible, powerful and made for sustainable mobility for everyone who moves people and cities.

Intelligent charging

Our charging station relies on vSECC technology from Vector, one of the leading control solutions for safe and efficient charging of electric vehicles.

- **Fast & safe**
Optimized charging processes for maximum efficiency
- **Strong communication**
Support for common standards such as ISO 15118 & OCPP
- **Future-proof**
Update-capable for upcoming technologies
Proven performance electronics for railroads developed inhouse

Simple diagnostics & maintenance

Our charging station offers intuitive operation and reliable status display for smooth use and maintenance:

- **10" touchscreen**
Convenient operation, direct control and detailed diagnostic displays (standard for control cabinet)
- **Modular 19" design**
Easy maintenance and quick replacement thanks to standardized modules; reduces downtimes and facilitates storage



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www.kiepe-group.com

