



## DEPOT K-CHARGER



**NEW**

### Ceiling Mounted Housing

- Depot charging infrastructure powered by LRV or trolleybus catenary
- Optional configuration: 1 x 100 kW or 2 x 100 kW (200kW)
- 8 m Cable and CCS Combo 2 Socket
- Ceiling mounted housing with indicator lamps
- Balancer with locking mechanism
- Seamless integration into charging management software and SCADA-systems



# Depot K-Charger

The Depot K-Charger uses the existing overhead line infrastructure in the depot for fast or overnight charging of e-vehicles. Kiepe supplies a turnkey standard solution and enables operators to provide the infrastructure quickly and flexibly for charging.

The standard product family of Depot K-Chargers is available as a cabinet version in 100kW power and 200 kW power variants. The Depot-K Charger can be connected directly to 600 VDC and 750 VDC overhead lines without switching. The charging power can be configured according to customer requirements.

The electric vehicles can be charged via a cable with a CCS Combo 2 plug. An electric cable reel (balancer) is provided for this purpose, which pulls up the charging cable. The charging cable is attached to a nylon rope. The balancer ensures precise, low-friction cable guidance, with 16 arrestation possibilities per revolution, and has a return brake.

The scope of delivery includes all parts required for installation and operation. Planning and execution of the electrical installations, including connection to the overhead line, will be carried out by the customer.

## Technical Data

Input	1 x 100 kW	2 x 100 kW / 1 x 200 kW
Input voltage V1	600VDC / 750VDC (400...950VDC)	
Input current I1	Max. 200 A (V1 = 500V, P2 = 100 kW)	Max. 320 A (V1 = 625V, P2 = 200 kW)
Input power P1	P1 = 100 kW	P1 = 200 kW
Protective functions	Overvoltage, undervoltage, overcurrent, overtemperature	

Output	1 x 100 kW	2 x 100 kW / 1 x 200 kW
Output voltage V2	750VDC (400...900VDC)	
Output current I2	Max. 200 A (V2 = 500VDC, P2 = 100 kW)	Max. 320 A (V2 = 500VDC, P2 = 200 kW)
Output power P2	100 kW continuous power	200 kW continuous power
Protective functions	Overvoltage, undervoltage, overcurrent, overtemperature	

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<b>Interfaces</b>	<b>1x100 kW</b>	<b>2x100 kW / 1x200 kW</b>
Output 1	Cable to CCS Combo 2 Connector, length 8 m 400...1000 VDC / max. 250 A	Cable to CCS Combo 2 Connector, length 8 m 400...1000VDC / max. 250 A
Output 2		Cable to CCS Combo 2 Cconnector, length 8 m 400...1000VDC / max. 250 A
Communication	PLC for communication to vehicle (ISO 15118, DIN 70121) Ethernet for connection to control station (OCPP 2.0.1)	
Interfaces	Configurable digital I/O	
Operation	LEDs for displaying status information. LED green: flashing = charging, permanently lit = charging finished LED red: permanently lit = error message Touch display Emergency stop switch	
<b>Standards</b>		
Product standard	EN 61851	

<b>Mechanical Specification</b>	
Dimensions	2200 mm x 800 mm x 500 mm (lxbxh)
Weight	1 x 100 kW approx. 320 kg / 2 x 100 kW 1 x 200 kW approx. 420 kg
Degree of protection	IP54
Cooling	Forced cooling

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