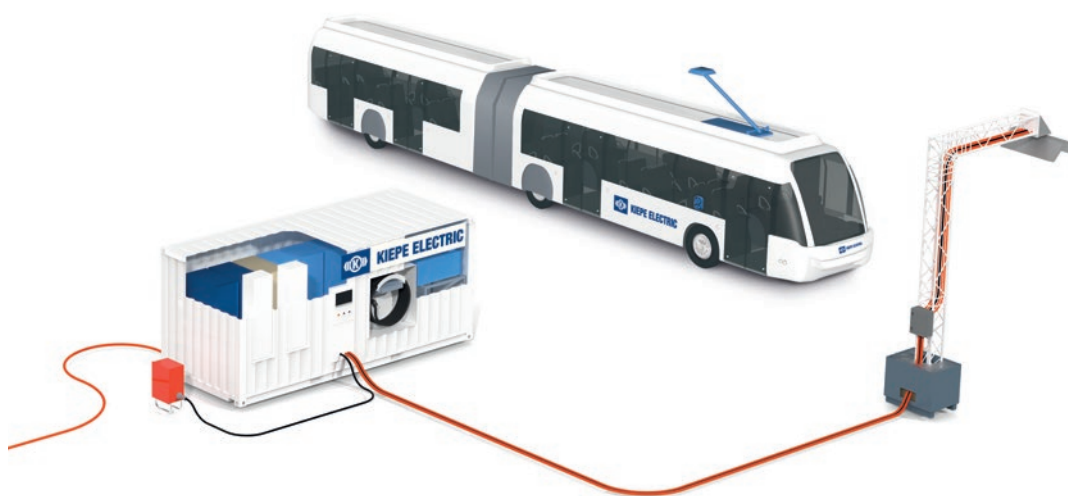




MOBILE HIGH POWER CHARGING



Battery buffered high power charger for electric buses

- Mobile charging infrastructure powered by local energy grid
- Batteries to buffer energy and to allow a balanced load pattern to the supply grid
- Mobile and containerized charging infrastructure for fast and flexible deployment
- Unlimited interface compatibility to all electric bus manufacturers
- Seamless integration into all charging management software and SCADA-systems



KIEPE ELECTRIC

kiepe.knorr-bremse.com

Mobile high power charger

Kiepe Mobile High Power Charger brings charging infrastructure at locations where peak load energy is not supplied by local energy grid or where temporary charging solutions are needed.

The standard configuration consists of a mobile container with integrated batteries, power converters and communication equipment to bus and operator. The charging output can be configured to customer requirements. The equipment consists of one contact dome for roof-mounted pantograph and one charging cable to CCS-2 connector. Kiepe delivers a turn-key solution to support customer with a fast and flexible deployment of the equipment. Easy installation and commissioning with seamless integration into all charging management software and SCADA-systems allow to plug & operate the charging infrastructure within shortest time.

Technical Data

Input Voltage	3 × 400VAC (Interface CEE 5P-6h)
Input Current	125A max.
Energy Storage	Battery Capacity 91 kWh (more upon request) Cell technology Lithium-ion (LTO) Cell life > 20 000 cycles (DOD 100 % at 25 °C) Cell monitoring and balancing by battery management system (BMS)
Output 1	External charging base with Schunk contact dome Cable length from container to charging base 10 m 750 kW / 400...1000VDC / max. 1000A (more power upon request)
Output 2	CCS type 2 cable, length 10 m 400...1000VDC / max. 250A
Auxiliary outputs	Internal outlet power sockets 230VAC / 50 Hz
Communication	To vehicle: Basic signaling and PLC communication (ISO15118, DIN70121) To backend via OCPP
Mechanical	20ft container, weight approx. 6000 kg, access via door
Cooling	HVAC for cooling and heating Liquid cooled battery packs
Operation	Touch-Display for status informations, operation and diagnostic data, failure messages ON-OFF Switch Emergency Switch



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