



CONVERTER SERIES KIEPE DGG 500

INTEGRATED TRACTION AND ON-BOARD POWER SUPPLY SYSTEM IN STANDARDISED DESIGN FOR TRAMWAYS AND LRV'S

Reference: LRV Gothenburg

- Designed for axle- and bogie-selective drives
- Integrated auxiliary power supply with parallel operation capability of three-phase outputs and emergency start device
- DC/DC converter for the energy storage unit, optional
- Emergency drive via the 24 V on-board battery, optional
- High efficient and quiet cooling due to stepless variable-speed fan motors
- Fast and easy maintenance due to the modular design



KIEPE ELECTRIC

Technical Data

Elektrical data

Input	
Nominal voltage	DC 750 V
Operating range	DC 400 V – 1000 V

Motor output	
Nominal voltage	3AC 500 V
Nominal power (S1)	1 x 250 kW or 2 x 150 kW
Nominal current (S1)	1 x 360 A or 2 x 330 A
Max. frequency	220 Hz

Braking resistor output	
Nominal voltage	DC 900 V
Peak power	800 kW

Auxiliary AC output	
Nominal voltage	3AC+N 400 V or 3AC 460 V
Frequency	50/60 Hz
Nominal power	27 kVA or 40 kVA
Harmonic factor	< 5 %

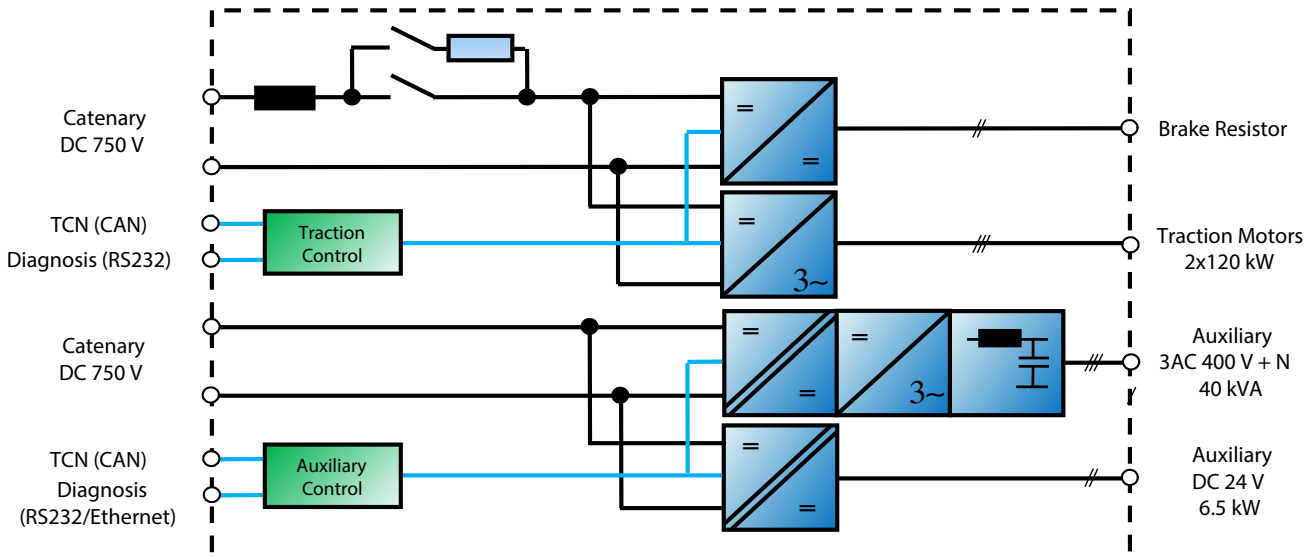
Auxiliary DC output	
Nominal voltage	DC 24 V
Battery-charging voltage	Temperature-dependent characteristic
Nominal power	6.5 kW or 10 kW

Mechanical data

Dimensions (length x height x depth) (without terminal box, clamping shoes)	1775 mm x 1600 mm x 470 mm
Weight	approx. 500 kg (depending on the design)
Place of installation	Roof
Cooling	Forced air cooling
Degree of protection	IP 55
Temperature range	-25 °C to +45 °C

Subject to modifications

Block Diagram (LRV Gothenburg)



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