



On-board Converter Kiepe BNU 600

COMPACT AND POWERFUL ON-BOARD POWER SUPPLY FOR TRAMCARS
AND LIGHT RAIL VEHICLES

REFERENCE: T-CAR, VIENNA

- Weight-optimised on-board converter with integrated power modules for AC and DC on-board power supply systems
- Highly dynamic converter control
- Web-based system diagnosis
- Integrated emergency start device
- Broad temperature range (-40 °C to +45 °C)

KIEPEELECTRIC



TECHNICAL DATA

Electrical data

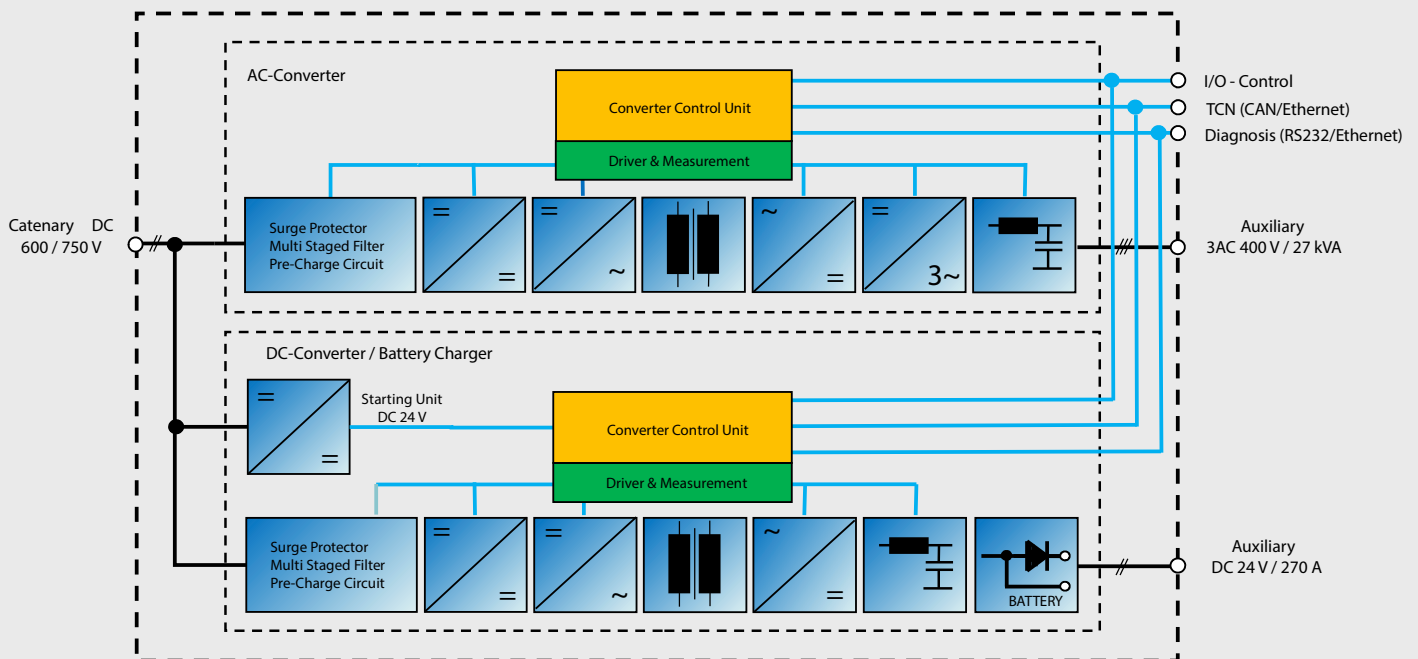
Electrical data	
Nominal voltage	DC 600V / 750V
Operating range	DC 400V – 1000V
AC output	
Nominal voltage	3/N AC 400V / 230V (max. AC 480V / 277V)
Frequency	50 Hz \pm 1 Hz (max. frequency: 100 Hz)
Nominal power	27 kVA, $\cos\phi = 0,85$
Harmonic factor	< 8%
DC output	
Nominal voltage	DC 24V
Max. current	270 A
Max. nominal power	8,1 kW at 30V

Mechanical data

Dimensions (length x width x height)	1243 mm x 927 mm x 430 mm (without clamping shoes)
Weight	154.2 kg
Place of installation	Roof of vehicle
Cooling	Forced air cooling
Degree of protection	IP55
Temperature range	-40°C to +45°C

Subject to modifications

BLOCK DIAGRAM



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