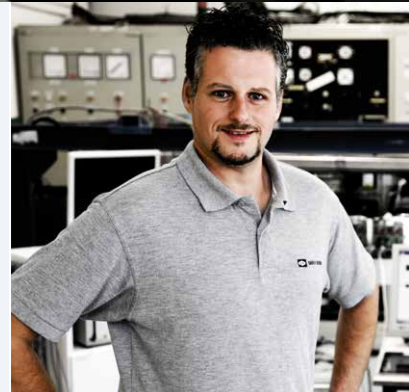


Auxiliary power supply 25 kVA / 14 kW



- Auxiliary power supply for supplying an AC grid in a rail vehicle with integrated battery charger
- Lightweight and compact design thanks to medium-frequency electrical isolation
- Easy maintenance due to modular design
- Low noise thanks to continuously speed-controlled fan
- Communication with the train via IP, CAN Open or MVB
- Parallel connection of DC outputs possible with the optional DC-decoupling

Reference: Metro train type IK of BVG Berlin, Germany



POWERTECH

TECHNICAL DATA

TYPE: AU 524

ELECTRICS

DC Input

Rated voltage	750 V DC
Operation range	420 - 1000 V DC

AC Output

Rated voltage	3 x 400 V AC \pm 5%
Frequency	50 Hz \pm 1% with U/f start
Rated power	25 kVA, $\cos \varphi = 0.8$
THD	< 5%

DC Output

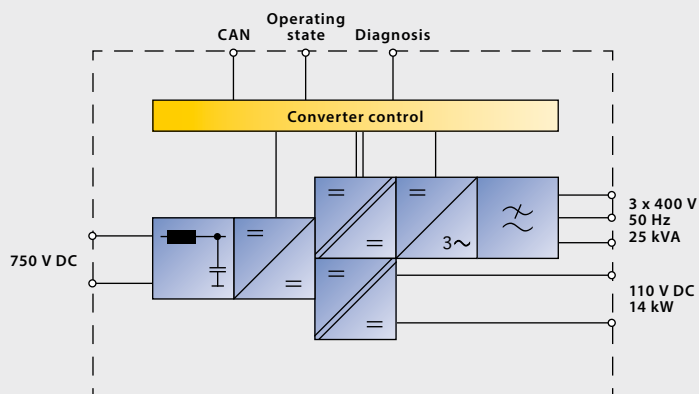
Rated voltage	110 V DC \pm 1%
Max. current	127 A
Charging current	10 - 60 A
Rated power	14 kW

Overall efficiency	> 90%
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MECHANICS

Dimensions (length x width x height)	1300 x 600 x 500 mm
Weight	190 kg
Mounting position	Under-floor
Cooling	Forced air cooling
Protection	IP54
Temperature range	-30 ... +45 °C

BLOCK DIAGRAM



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