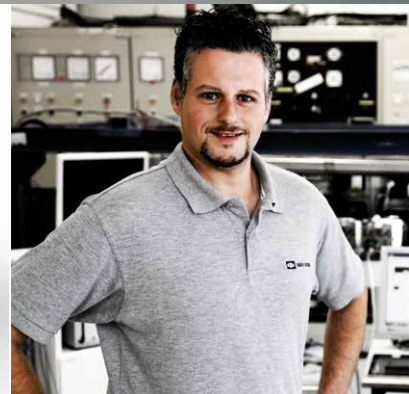


Auxiliary power supply 43 kVA / 11 kW



- Auxiliary power unit 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 AC or DC outputs possible
- Dead battery start functionality

References: Streetcars type Flexity 2 of TTC Toronto, Metrolinx Toronto and Waterloo, Canada



POWERTECH

TECHNICAL DATA

TYPE: AU 542 V2

ELECTRICS

DC Input

Rated voltage	750 V DC
Operation range	350 V - 980 V DC

AC Output

Rated voltage	3 x 208 V AC \pm 5%
Frequency	60 Hz \pm 1% with U/f start
Rated power	43 kVA, $\cos \varphi = 0.8$
THD	< 5%

DC Output 1

Rated voltage	24 V DC \pm 1%
Max. current	386 A
Charging current	10 - 100 A
Rated power	11 kW

DC Output 2 (Option)

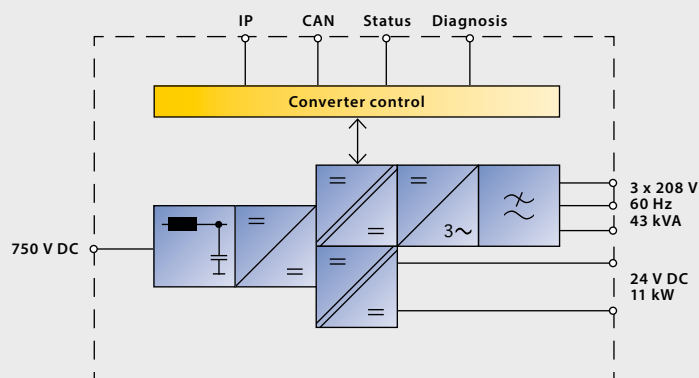
Rated voltage	36 V DC \pm 1%
Max. current	11 A
Rated power	0.4 kW

Overall efficiency	> 90%
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MECHANICS

Dimensions (length x width x height)	1600 x 750 x 450 mm
Weight	280 kg
Mounting position	Roof-top
Cooling	Forced air cooling
Protection	IP54
Temperature range	-30 ... +45 °C

BLOCK DIAGRAM



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