

# Electric Bus Specifications

Traction motors	
Quantity	2 (two-axles drive)
Power	120 kW (continuous)
Cooling	Water-Glycol
Auxiliary inverter 1 (variable frequency)	
Output power, max	18 kW
Output power, avg	5 kW
Efficiency	98%
Auxiliary inverter 2 (fixed frequency)	
Output power, max	40 kW
Output power, avg	10 kW
Efficiency	98%
Battery charger	
Output power, max	6.6 kW
Output power, avg	5 kW
Efficiency	90%
Cooling	Water-Glycol
Traction inverter	
Quantity	2 (one per axle)
Output voltage	293-420 Vrms
Frequency	49-248 Hz
Output power, max	120 kW
Efficiency	94% at 43 kW
Cooling	Water-Glycol
Battery pack (no supercaps on board)	
Energy	38 kW·h
Quantity of modules	14 in series
Module voltage	48 V
Module capacity	60 A·h
Cooling	Water-Glycol
Technology	Lithium Titanate Oxide (LTO)
Lifetime	10 years (one change in life of bus)
Weight	1040 kg
Temp operating range	-40 to +55°C
Energy transfer system	
Lateral movement	Electrical controlled (55 cm compensated distance to curb)
Arm rotation	Pneumatic controlled
Head elevation	Pneumatic controlled - 400 N
Peak current	900 A - 20 s
Max current	625 A - 10 min