

Electric Ultra Low Floor Axle

eULFA

accelerate the shift™



Features



Simplified packaging

Configurable single plane helical gear, resulting in market leading gear efficiency

Enhanced efficiency

- 2x high performance motors
- 2x Elfa v3 inverters
- Water cooled motor & inverter
- Only one coolant needed
- Increased system efficiency based on existing vehicle cooling architecture

Quiet driving experience

Lower NVH signature due to efficient low-motor speeds

Customizable configurations

Tailored to your needs with options for various track widths, gear ratios, and suspension interfaces

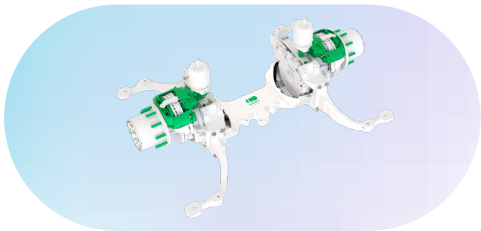
High-speed capability

Supports vehicle speeds, ensuring robust performance across all standard city buses (85km/h) as well as advanced applications (US transit bus up to 105 km/h)

We are Accelera

And we're on a mission to transition the world's most economically critical industries to zero-emissions power.

Low floor buses axle for EU 12m & 18m*



Benefits ↓

- Eliminates ramps due to low floor architecture
- Variable track/pass through design available
- Seamless integration with standard mechanical interfaces
- Suspension arms enable easy location of springs + shocks
- Designed to fit standard-size tires for versatile application
- Simplified towing procedure with easy mechanical disconnection
- Optional sway-bar enhances stability and handling
- Multiple axle ratios for tailored performance (over 105 km/h)

* Standard cradle beam

** Depending on wheel size and gear ratio

Technical specifications ↓

Weight	<1250kg
Motor	2x integrated motors 2x 130kW cont (@650V) 2x 950Nm peak
Inverter	Remote Si Inverter ELFA Platform Cyber security ready ISO 26262 - ASIL C Developed as a SEooC in compliance to ISO26262
Operating voltage	450V-800 V (650V nominal)
Peak system efficiency	>93%
Ambient operating temperature	-40°C to 70°C
Ingress protection	IP6K9K, IPX7
Durability	>1.2mn km
Transmission	Overall ratio: 11.76:1 (Other ratios available)
Cooling	Water ethylene glycol (WEG)
Climbability	Peak starting ability - up to 25% Continuous ability 12%
Serviceability	Easy maintenance Quick access for mechanical disconnect of driveshaft in case vehicle towing becomes necessary Motor fully independent from structural forces while fully integrated

Additional specifications ↓

- | | |
|---------------------------|---|
| • 13 tons GAWR | • 10x335mm wheel bolt circle |
| • 746 mm MIN pass-through | • Meritor ELSA 225H or Knorr braking system |
| • 155mm ground clearance | • Other brake options available |

*The information herein is being provided for reference only and is subject to change without notice.

