



SEA-Drive® 120

SEA ... the Future

SEA-Drive® 120a is built on a cab/chassis platform with a GVM range from 6.5t lbs to 9t, and a 1,500 Nm electric motor. The 136 kWh battery pack option delivers class leading range of up to 350km* and a typical break-even period of less than 4 years.

SEA-Drive® 120b is built on a cab/chassis platform with a GVM range from 9t to 14t, and a 2,500 Nm electric motor. The 136 kWh battery pack option delivers class leading range of up to 350km* and a typical break-even period of less than 4 years.

SPECIFICATIONS

SEA-Drive® 120

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Powered by SEA-Drive® 120
Range: Up to 350km* (unladen)
Operating temperature range: -20°C to 50°C

100% Electric Power-System 120a

Type: AC Asynchronous Motor
Continuous power: 80 kW
Maximum power: 125 kW
Maximum torque: 1,500 Nm
Efficiency: 95% peak efficiency

100% Electric Power-System 120b

Type: Permanent Magnet AC Motor
Continuous power: 150 kW
Maximum power: 250 kW
Maximum torque: 2,500 Nm
Efficiency: 95% peak efficiency

System Warranty

5 years for batteries [#]
Remaining system warranty same as OEM chassis [#]

Charging

Standard charging using three-phase 32amp on board charger with 5 pin plug, up to 22kW
DC/DC converter is 3kW with 24V power supply
Charge Time: Approx. 6 hours to 80% charge
<i>Optional</i> Fast Charging System

Batteries

136 kWh battery capacity
Life Cycle: Up to 10 Years
Cell Type: Lithium-Ion (LiNiMnCoO ₂) - Known as NMC
Energy Density: 127.7 Wh/Kg

HVAC - Air Conditioning and Heating

Electric integrated HVAC System - 6.5 kW, HVDC powered
Electric PTC heater 6kW, HVDC powered

Telematics SEA-Connect® *Optional*

Ability to provide vehicle and driver related data
Accessible via a secure telematics portal



Most Cost Effective Power-System in the World



Unique Mid Mounted Batteries for Safety & Dynamics



Adaptable to Most OEM Glider Platforms



Lower Maintenance & Operating Costs - No Fuel, Few Moving Parts



Zero Emissions - Reduce Your Carbon Footprint



Upgradable Plug and Play Architecture



Three-phase 32amp On Board Charger - the Biggest Charging Network In The World



Integration with Body Suppliers - 100% Electric Power to Operate Ancillaries



Powerful Handling with a Smooth Ride



Driver Comfort, Health & Safety - No Noise, No Fumes, No Heat

*Range figures are intended for comparison purposes only and are based on unladen, cab chassis or van test drive conditions. Actual range achieved will depend upon a number of factors including load and body design, road conditions and topography, regenerative braking configuration and utilisation of electrical accessories.

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