

# **VOLGREN**

A Marcopolo Company

## **ZERO EMISSION VOLGREN BUSES**

BAV MANAGEMENT FORUM

21<sup>st</sup> September - 2021



# VOLGREN OPTIMUS E-BUS

**VOLGREN**  
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A TRIALLED AND PROVEN LOCAL SOLUTION



## OPTIMUS – AN E-BUS BODY UNLIKE ANY OTHER

The result of literally thousands of hours of research and on-route testing, Volgren's E-bus is **one of the lightest zero-emission bus bodies in its class**, complying with the highest levels of safety and flammability standards for buses in Australia.

We build electric bus bodies using **100 Australian suppliers** (85 Victorian) and are incredibly proud to retain **almost 90% proportion of local production\*** (83% Victorian).

Our first Volgren E-bus built on a BYD chassis was trialled extensively in Melbourne, delivering a **saving of 61.6 tonnes of carbon dioxide** emissions in its first 300 days of service compared to a diesel bus. The bus also broke a project record, travelling nearly **1000km on just two charges**.

The Optimus E-buses are now being enjoyed on the streets of Melbourne, Sydney, Brisbane and Perth.

\* VERIFIED BY ICN – SUPPLY CHAIN ASSESSMENT.



# VOLGREN OPTIMUS E-BUS

AVAILABILITY AND FUTURE DEVELOPMENTS

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BEING BUILT ON:



ONGOING DEVELOPMENTS ON:



Mercedes-Benz



250+KM RANGE\*

PANEL 3 TfNSW COMPLIANT (OPTIONAL)

WHEELCHAIR ACCESSIBLE

USB CHARGE POINTS

ELECTRIC SALOON AND TS155 DOOR COMPLIANCE SAFETY SYSTEM

3.5 HOUR RECHARGE TIME<sup>^</sup>

CCS2DC CHARGING SYSTEM

AUSTRALIA'S LARGEST AFTER SALES SUPPORT NETWORK

15 YEARS WARRANTY ON THE BODY STRUCTURE

DRIVER COMFORT

31- 47 SEATING CAPACITY



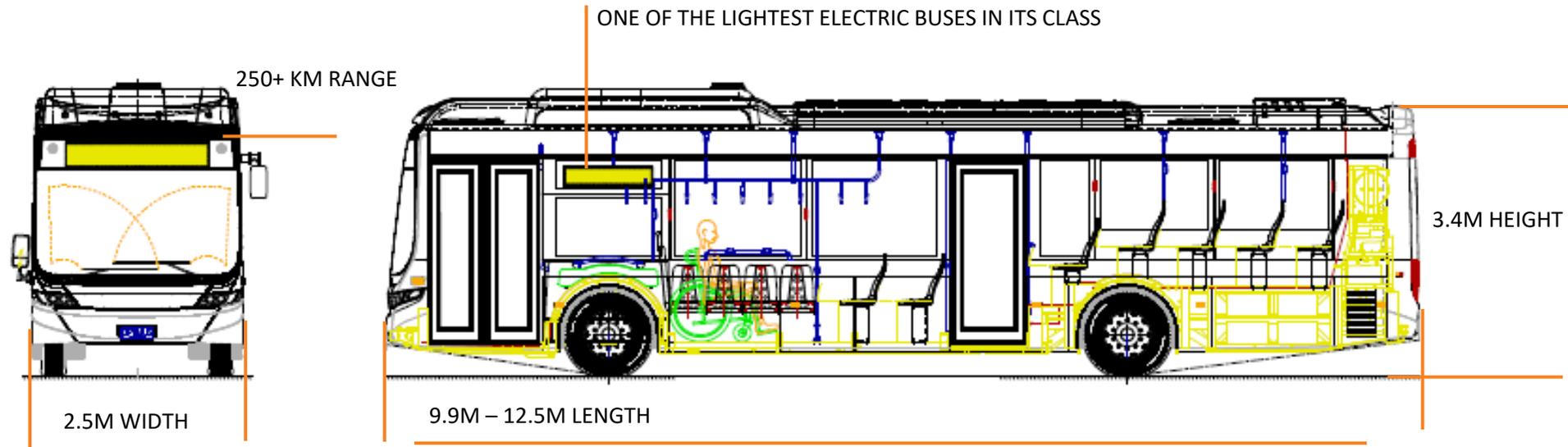
\*Dependent on climate conditions and operational conditions such as the route and behaviour of the driver.  
<sup>^</sup>Dependent on charging equipment.

# VOLGREN OPTIMUS E-BUS

## LAYOUT AND DIMENSIONS

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### KEY STATISTICS

Length	Height	Width	Seats
9.9m* – 12.5m	3.4m	2.5m	31 – 47 Seats*

\*Dependent on chassis and specification.



# VOLGREN OPTIMUS E-BUS

## SUPPLY MODELS

Volgren is currently working with **different bus supply models**, understanding that the transition to zero emission buses is not only `vehicle related`.

Besides complete E-buses and E-bus bodies direct supply to operators, Volgren in conjunction with our market-leader partners, is providing:

- Zero Emission transition education on operational changes, power and charger infrastructure, maintenance and emergency services.
- Depot upgrade and design, charging infrastructure
- E-bus chargers
- Contract Management
- Financing and leasing options

All of them combined are **Volgren`s turnkey solution** for fleets electrification.

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## VOLGREN TURNKEY SOLUTIONS PARTNERS



EnergyAustralia



# VOLGREN OPTIMUS E-BUS

## TRAINING & SUPPORT

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### DRIVERS, SAFETY AND PRODUCT TRAINING



- On demand drivers, bus maintenance/ functionality and safety training.
- Awareness sessions with local emergency services.

### AFTER SALES SUPPORT



- Backed by the largest after sales support network in Australia.
- 24-hour support to keep your bus on the road
- Fully stocked with spares parts.



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**Thank you!**

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