



AVASS MATILDA  
12.5 mt Full Electric School Bus

**Matilda School Buses  
are compliant with  
Australian Standards,  
Australian Design Rules  
(ADRs) and ISO  
Standards**

All seats on Avass School Buses are ADR  
68 compliant seats



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# AVASS GROUP

## FULL ELECTRIC SCHOOL BUS



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## STANDARD OPTIONS

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- Mp3 Player
- Destination Board
- Reverse Camera
- CCTV Surveillance System
- Climate Control System
- Cantilever Mounted Passenger Seats
- Air Suspension Driver Seat
- Disabled Occupant Access



Avass School Buses are designed and manufactured in Australia as the safest form of Road Transport

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## SPECIFICATIONS

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- Wheel Size: 295/80R22.5
- Brake System: EBS3 WABCO
- Drivetrain: Central Motor RWD
- Motor: Permanent Magnet Synchronous
- Maximum Motor Power: 180 KW
- Transmission: Automatic 2 Speed
- Vehicle Max Speed: 100 Km/h ltd
- Battery Operating Temp: -20 to +60 C
- Operating Range: 250 km to 600 km [Customer Specification]

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## TECHNICAL FEATURES

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- Advanced Regenerative Braking System
- Efficient Drive Control System
- Advanced Battery Management System
- Fast DC Charge System
- Customised Battery Design up to 600 Km Range
- Hill Holder Assist
- Low-Floor Stainless Steel Chassis Design
- Composite Floor and Side Panels

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## EFFECTIVE RESOURCES

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*Avass electric powertrain incorporates a Vehicle-to-Grid feature – meaning that the buses could be used as energy storage systems. Highly advantageous considering school buses are often parked for long periods of time.*

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## PARAMETERS

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- L/W/H: 12500 MM 2500 MM 3120 MM
- GVM: 20000 KG
- TOTAL PASSENGER CAPACITY: 45
- WHEELCHAIR OCCUPANTS: 5
- BATTERY: LIFEPO4/254KWH/600V