

People Movers 'Trackless Trains'

MOVING PEOPLE TOWARDS THE FUTURE



Australian Electric Vehicles can provide a cost effective, eye-catching, and functional solution to your transportation requirements.

Our vehicles are constructed with durability, versatility and performance in mind, and use Australian parts, where possible, for cost efficiency in maintenance and production.

Our vehicles are fitted with brand-new state-of-the-art EFI engines running on either standard petrol/gasoline, or converted to natural gas or LPG. Some models are also available in diesel powered engines where high power is required in rugged terrain.

Our vehicles are also designed and manufactured in Australia to the applicable standards and many can obtain conditional registration by the relevant Australian Authorities.

Proudly Australian owned and manufactured.

INTRODUCTION

Australian Electric Vehicles built its first Trackless Train in 1983. Since then, the company has built and commissioned over 80 units around Australia and overseas. Almost all units including the original unit are still in service today.

*Meet the demands
of any people
moving job.*

Trackless Trains and other people moving systems are proving more and more popular, and the variety of sites in which they are utilised is

growing each year. Such as, Botanical Gardens, Tourist sites, Shopping centres, Amusement and Theme Parks, Hotels and Resorts, Hospitals, and in fact, any area where people congregate and need transportation other than mainstream transportation needs.

Over the years Australian Electric Vehicles have designed and built people moving systems to reflect the client's need including the particular "theme" or image that is desired for the site.

The company's product range caters for most requirements with the options of LPG/Natural gas, petrol, diesel or electric motive power to provide cost-effective transport, and in many cases,

generating income for the client.

Australian Electric Vehicles prides itself on the quality and reliability of its products which have proven themselves through the test of time.

All vehicles have a full manufacturer's warranty for parts and workmanship for a period of 12 months from the date of purchase.



A Robust, Versatile, Themed People Mover

STANDARD FEATURES

All our trackless train vehicles are constructed with a rugged steel frame chassis made with Australian RHS steel to take the demands of large payloads and tuff commercial applications.

Our vehicles are built with the latest model brand new Hyundai petrol/diesel engines sized to suit your particular needs. Therefore, you can carry/pull more people per pay-load for longer, thus reducing your operational costs.



In enclosed spaces or where engine fumes are not permitted, our electric vehicle range provides an environmentally friendly solution to your people moving needs. Therefore, these vehicles can be used within under-covered or enclosed areas, such as warehouses, without polluting the atmosphere with toxic fumes.

The vehicle comes in many different base configurations to allow you to adapt a solution to meet your specific people moving requirements.

*Performance & Safety
are fully integrated as
standard.*

If a standard Series train is not suitable, please ask for a custom solution to suit your needs.

All vehicles are normally trimmed with fibreglass body work (not plastic) for strength and durability. All seats, canopies, and drop-sides are made from UV resistant materials for long life, where possible.

All trackless trains are normally speed limited to 8-10 km/hr for driver, passenger, and pedestrian safety.

MODELS TO SUIT MOST REQUIREMENTS

Many different models are available to tailor a solution to meet your specific transportation needs. Models available are:

Series 300 — is a two wheel drive configuration powered by petrol/gasoline or gas. It has a rounded style boiler. They can carry up to a maximum of 30 passengers via three 100A series carriages.



Series 400 — is a two wheel drive configuration powered by petrol/gasoline or gas. It is the same specification as the 300 Series (2WD) except these units have a square boiler. It can carry up to a maximum of 30 passengers via three 100A series carriages.



Series 500 — is a constant four wheel drive configuration powered by petrol/gasoline or gas. It can carry up to a maximum of 30 passengers via three 100A series carriages.



Series 600 — is a constant four wheel drive configuration powered by petrol/gasoline, gas, or diesel. It can carry up to a maximum of 54 passengers via three 180A series carriages.



Series 700 — is a constant four wheel drive configuration powered by petrol or gas. It is the same specification as the 500 Series except these units have a rounded boiler. It can carry up to a maximum of 30 passengers via three 100A series carriages.



Series 1100 — is basically the same configuration as the 400 Series petrol but in electric power system. This unit can carry up to a maximum of 20 passengers via two 100A series carriages. The power system is a 36 volt 1.5kW DC electric motor and powered by 6 volt deep-cycle high ampere batteries with an on-board solid state fully automatic battery charger.



FULLY CUSTOMISABLE

If none of the models above suit your particular requirements, please contact us to discuss a custom solution to match your needs.

FULLY CONFIGURABLE TO SUIT YOUR NEEDS

All trackless train series are fully customisable. Below are some of the common options:

- ✓ **PA system**, tape deck and amplifier.
- ✓ **Carriage speakers**, per carriage.
- ✓ **Light kit**: Headlight, taillights and indicator lights.
- ✓ **Wheel chair load platform**, hydraulic lift (rear carriage 180A Series only).
- ✓ **Wheel chair load platform**, manual lift (rear carriage 100A or 180A Series)
- ✓ **Storm drop covers**.
- ✓ **Drop sliding glass windows** 180A Series only.
- ✓ **Drop sliding Scratch Resistant Acrylic windows** 180A Series only.
- ✓ **Four-wheel carriage braking** 100A and 180A Series only.
- ✓ **Air-conditioning** (600 Series only).
- ✓ **LPG** (only applicable to Petrol/gasoline models).
- ✓ **Natural Gas** (only applicable to Petrol/gasoline models).
- ✓ **Fully Galvanized Frame** (per unit engine and carriages).
- ✓ **Speed Governor** – mandatory item for safety (set at 10 kph) .
- ✓ **Re-conditioned Engines** – are available in-lieu of brand new motors for the cost conscience. These are fully reconditioned engines.



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Proudly Australian owned and manufactured.

8 SEATER CARRIAGE (80A CARRIAGE)

Seats 8 adults, facing forwards and backwards with opening doors fitted on one side. Seating can be individual fibreglass, aluminium bench or sealed wooden slat. Roof is typically Solar Stop Fabric. Chassis is steel RHS painted or optional galvanised, with steel RHS superstructure with aluminium body panelling and either aluminium or wooden flooring. Brakes are 200mm spring-applied air-release or electric brakes to front wheels (four wheel braking is available as an option) of carriage with "break-away" fail safe.



10 SEATER CARRIAGE (100A CARRIAGE)

Seats 10 adults, facing forwards with opening doors fitted on one side. Seating can be individual fibreglass, aluminium bench or sealed wooden slat. Roof is typically Solar Stop Fabric. Chassis is steel RHS painted or optional galvanised, with steel RHS superstructure with aluminium body panelling and either aluminium or wooden flooring. Brakes are 200mm spring-applied air-release or electric brakes to front wheels (four wheel braking is available as an option) of carriage with "break-away" fail safe. Four-wheel steering providing carriage self-tracking (Ackerman-type steering is also available as an option). A 50mm ball coupling with safety chain is provided with either 8" or 10" wheels.



Dimensions — 1100mm wide (Roof width is 1200mm), 3500mm long, drawbar length is 1000mm and weight is approx 300Kg.

18 SEATER CARRIAGE (180A CARRIAGE)

Seats 18 adults, facing forwards and backwards with opening doors fitted on one side with optional doors open on both sides of the carriages. Seating can be either timber or fibreglass, with a fibreglass roof. Chassis is steel RHS painted or optional galvanised, with steel RHS superstructure with aluminium or fibreglass body panelling and either aluminium or wooden flooring. Brakes are fitted to the front axles of each carriage (four wheel braking is available as an option) with a fail-safe "break-away" system. Four-wheel Ackerman-type steering providing carriage self-tracking.



Dimensions — 1400mm wide (roof width of 1600mm), 5500mm long, drawbar length is 1100mm and weight is approx 500Kg.

CUSTOM CARRIAGES

If none of the carriages above suit your particular requirements, please contact us to discuss a custom carriage to