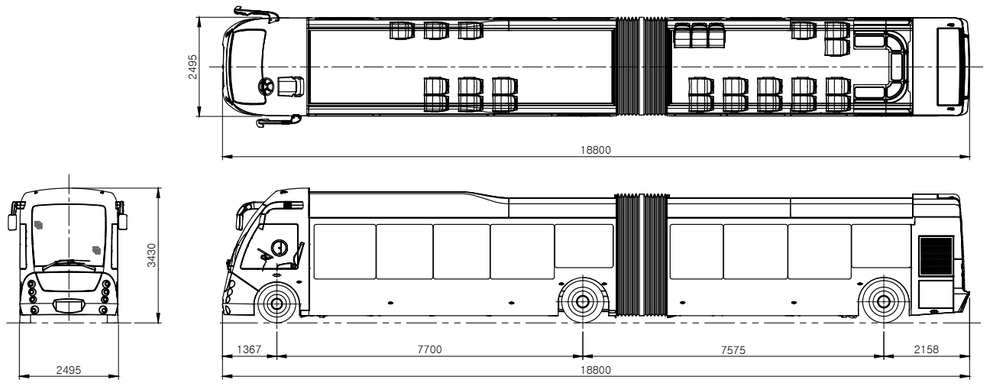
Specifications



Item		Specification
Length(mm)		18,800
Width(mm)		2,495
Height(mm)		3,430
Wheelbase (mm)		7,700/7,575
Vehicle Type		Diesel Hybrid (Euro 6)
Vehicle Formation		2 Cars/Train
Weight	Empty(based 2 cars)	19.5ton
	Max. Load(based 2 cars)	26ton
Perfor-mance	Max. Speed	80km/h
	Max. Gradient	20%
	Min. Turning Radius	11.4m
Ridership Capacity	Passenger Capacity	90persons 28(Seated+61(Standing) +1 (Wheelchair)

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Bimodal Tram

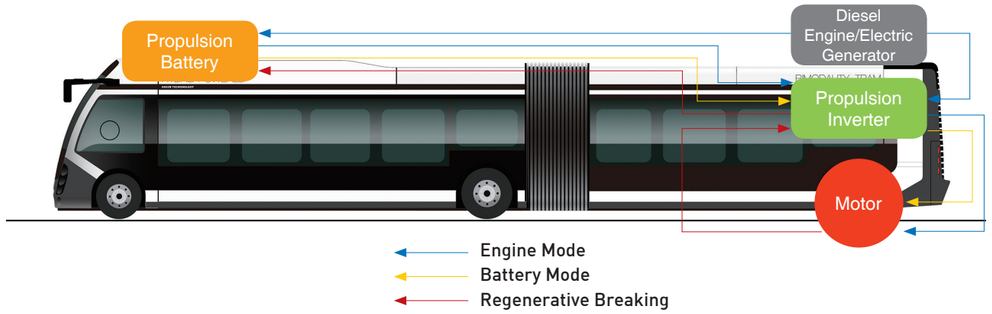
WOOJIN Industrial Systems Co., Ltd.

Bimodal Tram

Woojin Industrial Systems, a leading maker in the field of the new transportation system and renewable energy system, has succeeded in developing a new eco-friendly transportation system driven by electric power, representative eco-friendly energy.

Hybrid Propulsion System

Bimodal Tram is a new type of transportation with a bimodal structure to drive in engine mode and battery mode. This urban public transportation system has a transportation capacity of 2,500 persons/direction/hour and advantages of a bus and a subway.



Overview

- Designed to run on the general road like cars (min. turning radius: 11.4m, gradeability: 20%)
- 100% ultra-low floor makes it much easier for people with limited mobility, as well as people in a wheelchair or with a baby carriage, to board and alight the vehicle
- All Wheel Steering for precise positioning in bus terminals

Features

Economic system
- Lower construction cost compared with other new transportation system
- Low-cost investment in infrastructure
- Reduction of construction period as well as cost

Economic system
- Powered by Euro 6 engine & electric generator ▶ Reduction of exhaust gas emissions
- Hybrid system comprising of clean diesel generator ▶ Low pollution, low noise, high fuel efficiency
- Employ aluminum alloy body and interior materials ▶ Manufacturing cost reduction, more convenient maintenance, high end-of-life

Economic system
- On battery power alone, the vehicle is capable of traveling over a distance of 10 km
- Ultra-low floor height from ground (340 mm) for people with limited mobility

Wheelchair fixing device

Euro 6 engine & electric generator

Driving Space

The driver's cabin is ergonomically designed, taking into consideration of the driver's safety and convenience.

- A comfortable seat is employed to give a smoother ride comfort for the driver. The switches are placed in the optimal positions, pursuing driver's convenience.

Driver's cabin

Doorway

Monitoring System

Interior & Equipment

Every interior space and equipment is designed with convenience of passenger as the first priority.

- Low-floor design for people with limited mobility and wide space provide high levels of convenience and safety for passengers.
- The uncluttered design of luxurious interior materials will greet passengers.

Interior design

Three large entrance doors

Kneeling System