

APOLLO 900

Medium Low-floor Electric Bus with Fast Charging



Driving Space

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

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



Driver's seat



Meter cluster

MONITORING SYSTEM

Function : Check bus status information

1. Possibility of vehicle running
2. Driving information
3. Failures
4. BMS information
5. Door open/close
6. Driving distance

Interior & Equipment

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

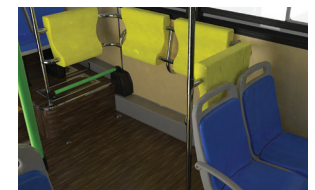
- Low-floor design for people with limited mobility and wide space provide high levels of convenience and safety for passengers.
- The uncluttered design of high-quality interior materials will greet passengers.
- Hip Rest allows standing passengers to stand and lean comfortably.



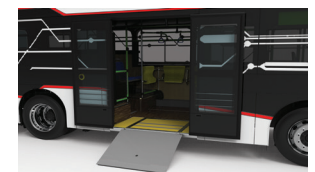
Interior



Partition for driver protection (option)

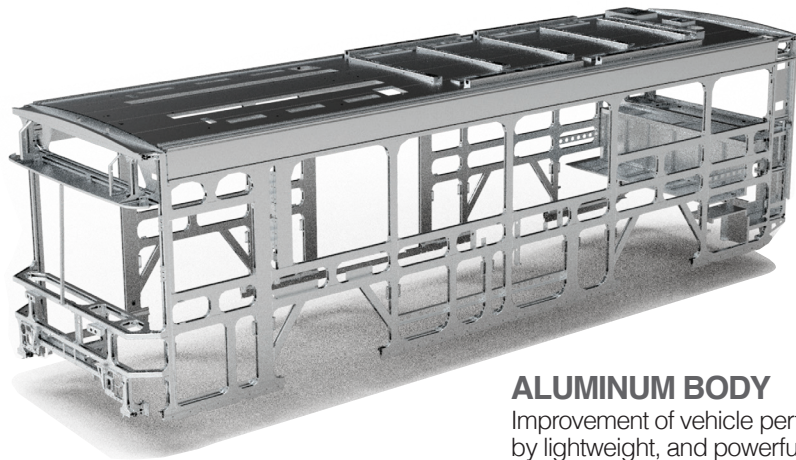


Hip rest



Plugin door and wheelchair ramp

Benefit



ALUMINUM BODY

Improvement of vehicle performance by lightweight, and powerful corrosion resistance for long service life.



ELECTRICAL AIR CONDITION SYSTEM

High-efficiency electric air conditioning system provides passengers with a more comfortable ride on summer days. (Cooling Capacity: 28,000 kcal/h)

Downwards 60mm

Upwards 60mm



Boarding and alighting for the people with limited mobility



While running

ELECTRONICALLY CONTROLLED WIDE AIR SUSPENSION / KNEELING SYSTEM

The bus operation condition can be adjusted automatically according to the change of road conditions or driving conditions, and the height of driver's position can be adjusted depending on its operation, and the kneeling function can be used for boarding and alighting.



Front axle



Rear axle

FRONT AXLE & REAR AXLE

The low-floor axles with advanced technology and stabilizer bar in front and rear maximize the stability and comfortable ride.

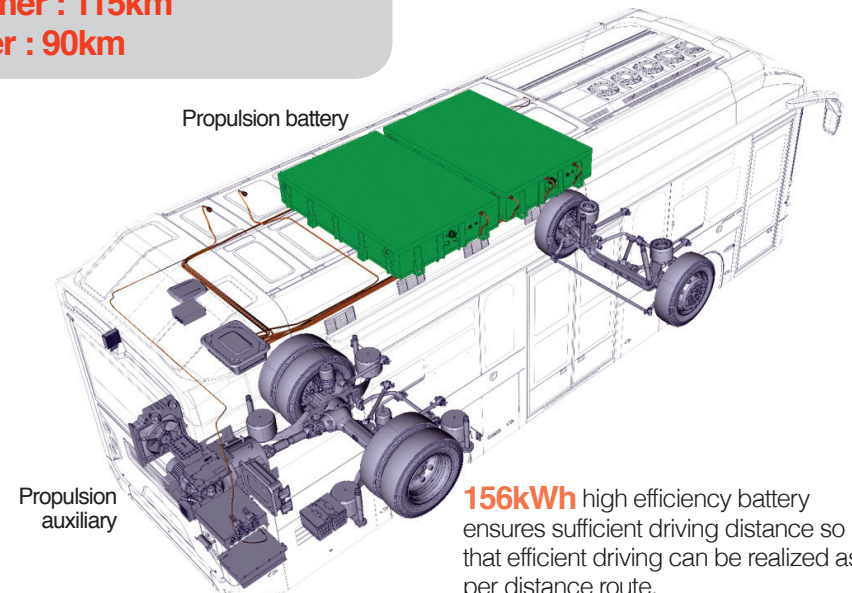
Thanks to the use of One Motor System, excellent power performance, easy maintenance and good durability are guaranteed.

Distance available by one time charge for each season(city-drive)

Spring · fall : 145km

Summer : 115km

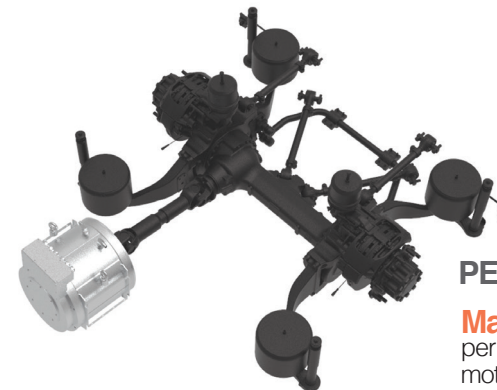
Winter : 90km



Propulsion battery

Propulsion auxiliary

156kWh high efficiency battery ensures sufficient driving distance so that efficient driving can be realized as per distance route.

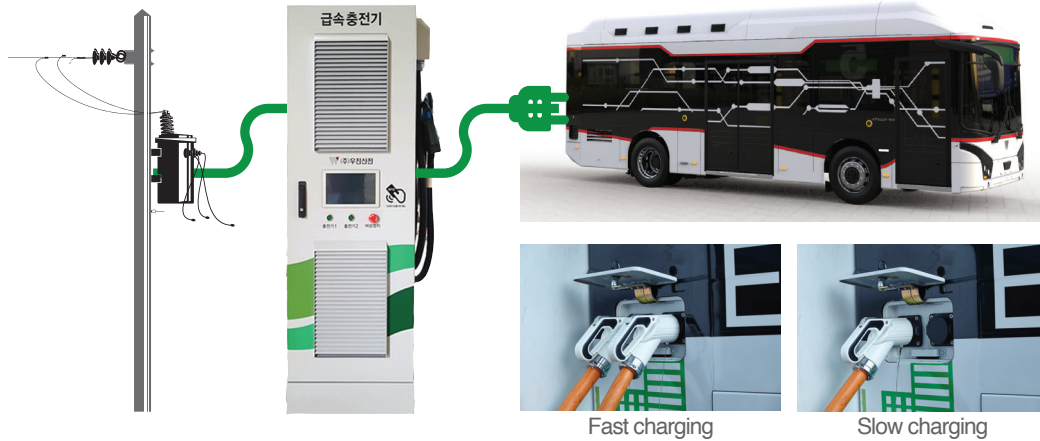


PEM MOTOR

Max 180kW(245PS)
permanent-magnet synchronous motor

Charging System

The battery with the latest technology and large capacity and operation system allows high-speed charging and easy and simple maintenance due to optimized design.

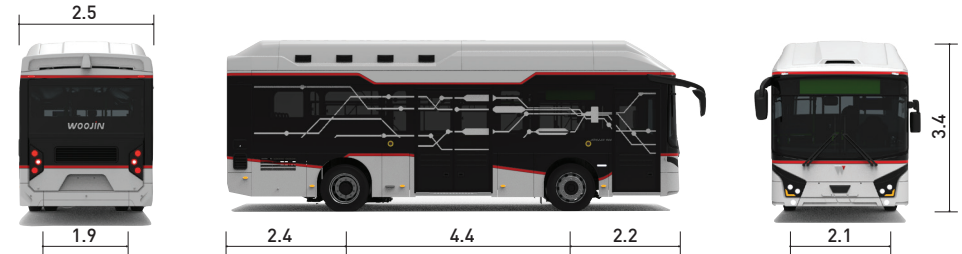


Features of quick charger for e-bus

- Touch screen panel (display of charge status)
- Emergency stop button
- Outdoor installation with IP44
- DC COMBO2
- Electricity rate reduction by power factor control
- Easy maintenance by using power module
- Remote monitoring system using wifi or LTE modem (Charge status and power consumption)
- Simultaneous charge for 2 units (300kW)

Item	Specifications
Capacity	300kW / 160kW
Charge type	DC COMBO2
Output	150 ~ 950Vdc
Efficiency	94%
Dimension[mm]	800(W) x 900(D) x 1850(H)
Cooling	Air cooling
IP class	IP44
Display	Touch screen panel
Comms	WIFI, LTE modem

Specifications



Item	Specifications	Item	Specifications
Length (m)	9.0	Motor	Max output (kW)
Width (m)	2.5		180
Height (m)	3.4	Battery	Max torque (Nm)
Wheelbase (m)	4.4		2,500
Wheel turning radius (m)	7.4	Type	Li-ion
Passenger capacity (person)	38(17+20+1)		Capacity (kWh)
Tire	275/70R 22.5		156
		CWV / GWV (ton)	
		10.7 / 13.1	
		Max speed (Km/h)	
		82	
		Max gradient (%)	
		26	

Specifications and features in this document are subject to change without notice, and the photographs on this document may be different from real one purchased by applying options.



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