

APOLLO 1100

Low-floor Electric Bus with Rapid recharging



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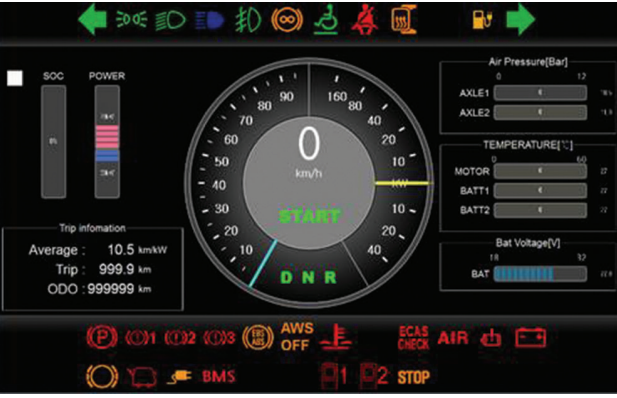
Driving Space

Ergonomic design for driver's convenience

Comfortable seat is used for the driver's ride comfort, and the switch is placed in the optimized position for the driver's convenience.



Driver's seat



Monitoring System

Function: Check for vehicle status information

1. Driving ability
2. Trip information
3. Fault information
4. BMS telegram
5. Door opening /closing information
6. Mileage

Interior & Equipment

Interior space designed as top priority for the convenience of passengers

- As a low-floor bus developed for the priority seat, better convenience and safety are provided by widening the space to board and alight.
- Neater design with high quality interior is provided for the passenger.



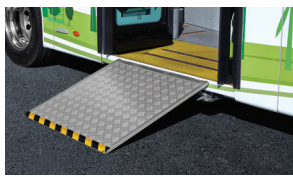
Interior



Driver's seat protection barrier (Option)

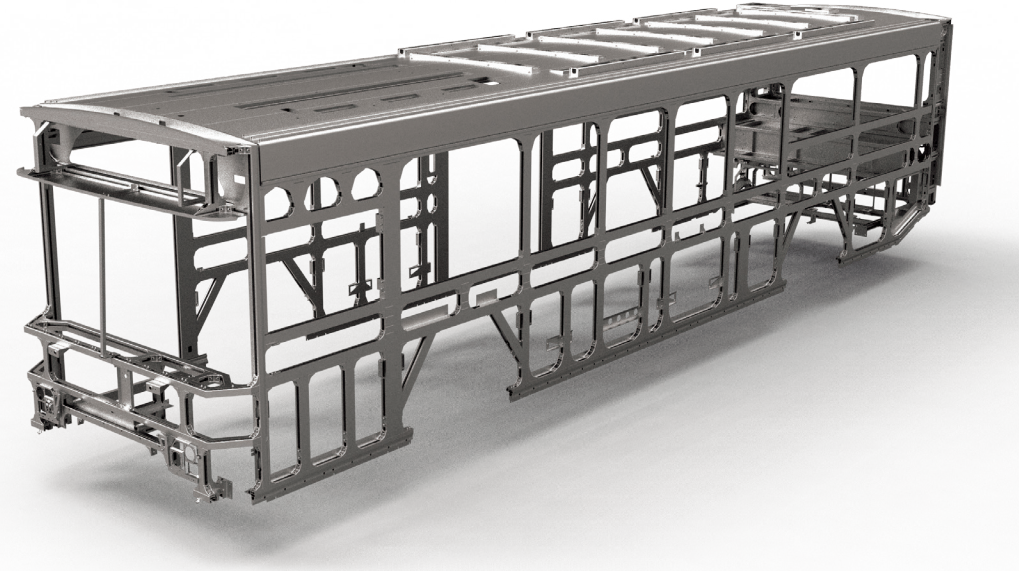


Seats for disabled



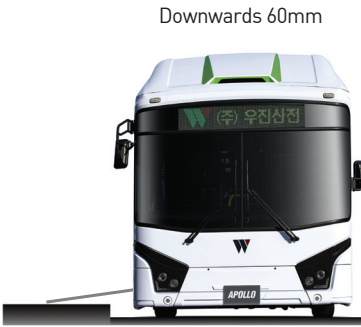
Auxiliary device for wheel chair for boarding and alighting

Driving System



ELECTRONICALLY CONTROLLED WIDE AIR SUSPENSION / KNEELING SYSTEM

It can automatically adjust the driving condition of the vehicle according to the change of the road condition or the driving condition, adjust the height by the operation in the driver's position and use kneeling function to board and alight.



Downwards 60mm

Boarding & alighting for the disabled



Upwards 60mm

Rough road driving

ALUMINUM BODY

Improvement of the performance by reducing the weight of the vehicle and increase in the lifecycle of the vehicle owing to corrosion resistance.

FRONT AXLE & REAR AXLE

The low-floor axle with the latest technology and the stabilizer bars applied maximize the stability and ride comfort.



Front axle

Rear axle

ELECTRIC AIR CONDITION SYSTEM

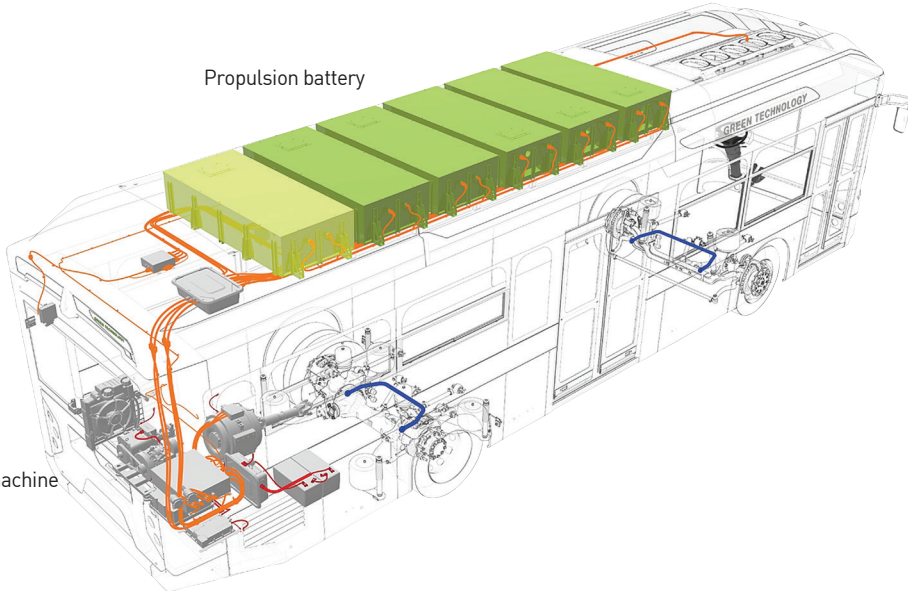
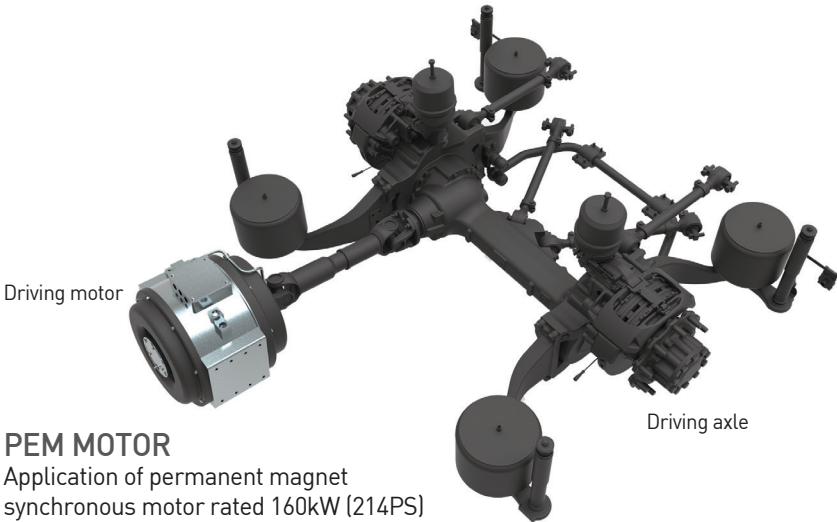
Electric air conditioner with high efficiency and large capacity provides comfort for the passenger during the summer. (Cooling Capacity: 28,000 kcal/h)



Driving System

One-time charge for 212km running (60km/h at constant)

With excellent output performance owing to One Motor System application, it provides easy maintenance and excellent durability.

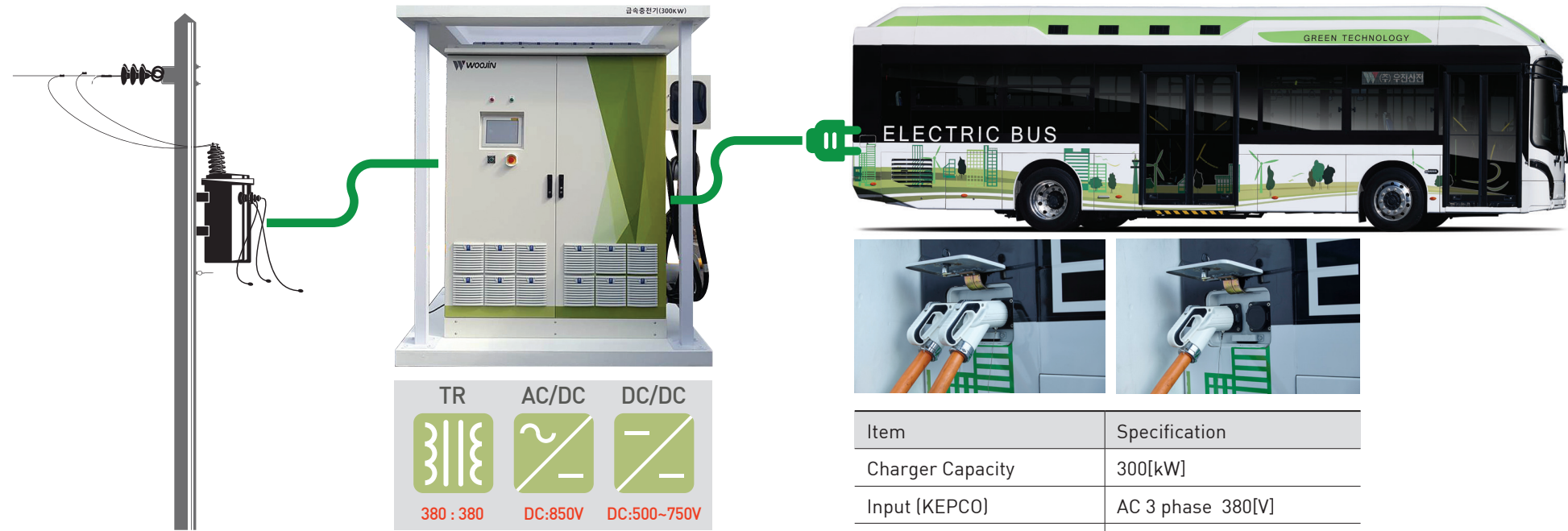


Equipped with high-efficiency battery, efficient running for each route can be achieved by ensuring sufficient mileage.

- Basic: 204kWh**
- Suitable for long distance route
 - 212km driving by one-time charge
- Option: 170kWh**
- Suitable for short distance route
 - 176km driving by one-time charge

Charging System

Large capacity battery and operating system with the latest technology can realize high-speed charging, simple system and easy maintenance through optimized design.



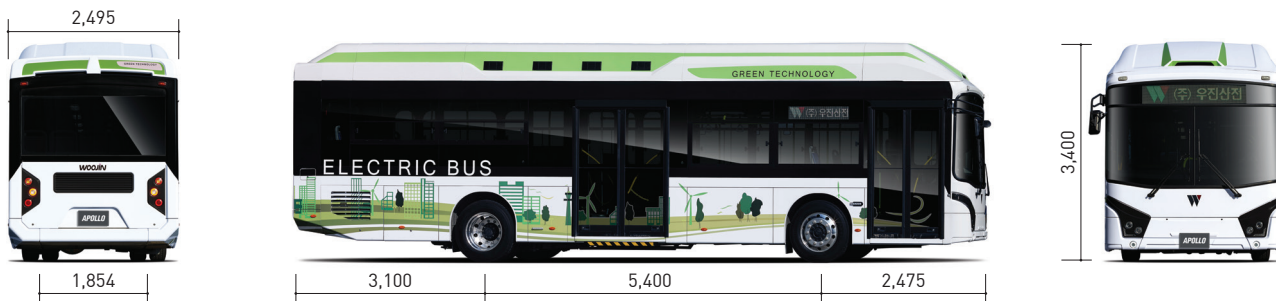
QUICK CHARGER FOR ELECTRIC BUS

- Full charge within 30 minutes at min. to 60 min. at maximum.
- Touch screen panel (display charge status information)
- Emergency stop button
- Outside installation of IP44
- Completed matching test with LTO and Li-Polymer batteries
- Electric cost saving by power factor control
- Easy maintenance by separating the converter as a stack
- Reduction of electricity costs with ESS in the future



Item	Specification
Charger Capacity	300[kW]
Input (KEPCO)	AC 3 phase 380[V]
Output	DC 500 ~ 750[V]
Maximum Charge Current	DC 416[A]
Efficiency	Over 92%
Product Size (mm)	1850(W)x1040(D)x2077(H)
Cooling System	Air-cooled
IP rating	IP44
Display	Touch Screen Panel
Communication	CAN 2.0A, CAN 2.0B
Communication Method	CC, CV

Specifications



Item		Specification
Overall Length (mm)		10,975
Overall Width (mm)		2,495
Overall Height (mm)		3,400
Wheelbase (mm)		5,400
Min. Turning Radius (m)		9.1
Riding Capacity (persons)		25+23+1
Overhang (mm)	Front / Rear	2,475 / 3,100
Tread (mm)	Front / Rear	2,108 / 1,854
Motor	Max. Output (kW)	160 (214 PS)
	Max. Torque (Nm)	2,500
Battery	Type	Li-Polymer
	Capacity (kWh)	170 / 204
Tire		275/70R 22.5
CVW (ton)		12.1/12.5
GVW (ton)		15.3/15.7
Max. Speed (Km/h)		83
Max. Gradient (%)		25

Specifications in this printout may change without notice. The pictures on this printout may be different from the actual purchased vehicle as some options may apply on.



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