



**E12**

**HYBRID CITY BUS**



**ALWAYS ON YOUR WAY**



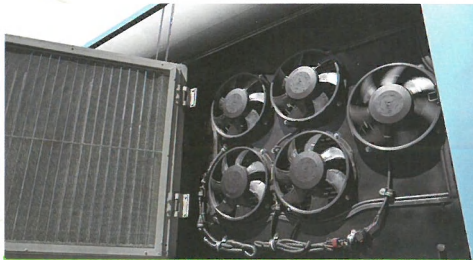
## APPEARANCE

Concise, Simple lines of the front wall combine perfectly with windshield, making a more open view. Side placement of engine together with three swing double doors make it possible to adopt low floor design and offer quick boarding & alighting experience. Maximum utilization of inner space may greatly alleviate the urban traffic pressure.



# FEATURES

- **Electric power-assisted steering technology:** to ensure engine idle shut-down, and more energy-saving than the conventional traditional steering.
- **Idle shut-down technology:** improves the vehicle's non-functional consumption when entering a bus station or during heavy traffic conditions, to ensure the engine shut down to save energy in the pure electric mode.



XKL successfully developed an intelligent cooling system (ICS) provides optimum environment for electric driving system by reasonable controlling of water temperature.



International universal charger, easy and convenient to use.



## PLUG-IN HYBRID

- To improve the overall power performance of the vehicle.
- To achieve more than 40% of the fuel saving rate even without the plug-in (Proven and Tester).
- Reduces the possibility of early engine start.
- Supplementary optimized electric power steering and idle shut-down function to further improve the fuel saving rate.
- Support DC or AC 380 battery charge.

# INTERIOR

Seats with rational arrangement achieves a maximized riding and sitting space, while the detachable integrated air duct and camber line mid roof design makes the overall layout to be more aesthetically pleasing.



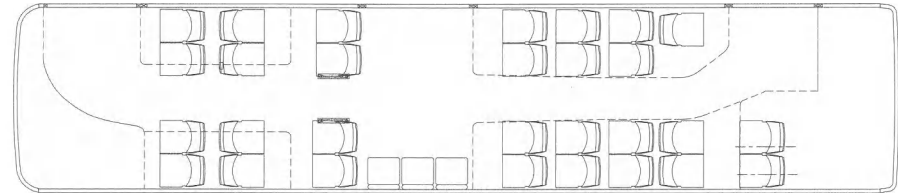
Integrated instrument panel provides easier access to handle the bus.



LED screens inside the bus provide passenger a delightful journey with entertainment.

# TECHNICAL SPECIFICATIONS

| MODEL                             |   | E12 |
|-----------------------------------|---|-----|
| DIMENSIONS                        |   |     |
| Lengthxwidthxheight (mm)          | 11980x2550x3070 (3190 with A/C)                                 |     |
| Wheelbase (mm)                    | 6000  |     |
| Front overhang/rear overhang (mm) | 2670/3310   |     |
| Minimum ground clearance (mm)     | 160   |     |
| CAPACITY                          |   |     |
| Seating arrangement               | 29+1  |     |
| Fuel tank capacity (L)            | 250   |     |
| ENGINE                            |   |     |
| Brand                             | CUMMINS   |     |
| Model                             | ISB6.7E6 225H   |     |
| Emission standard                 | Euro VI   |     |
| Rated power (kw/rpm)              | 165/2300  |     |
| Rated torque (N.m/rpm)            | 850/1100-1800   |     |
| Displacement (L)                  | 6.7   |     |
| TRANSMISSION & CLUTCH             |   |     |
| Transmission                      | With Driving Motor  |     |
| Clutch                            | With Driving Motor  |     |
| RETARDER                          |   |     |
| Retarder                          | N/A   |     |
| AXLES                             |   |     |
| Front                             | ZF  |     |
| Rear                              | ZF  |     |
| SUSPENSION                        |   |     |
| Suspension system                 | ZF 6-airbag air suspension                                      |     |
| ECAS                              | WABCO   |     |
| STEERING                          |   |     |
| Steering system                   | ZF hydraulic power steering gear                                |     |
| BRAKE SYSTEM                      |   |     |
| Brake mechanism                   | Full disc brake   |     |
| Tyre                              | Michelin tubeless tyre (275/70R22.5), Alcoa alloy rims8.25X22.5 |     |



| DOOR & WINDOW   |  |
|---|--|
| Doors   | Aluminum, remote control, Front double inner swing, middle&rear double inner swing doors |
| Side windows  | Transparent toughened glass, with E-mark, with two hopper windows                        |
| SEATS   |  |
| Driver  | Chinese adjustable Damping Suspension Driver Seat  |
| Passenger   | FAINSA PUNT passenger seat   |
| AV EQUIPMENT  |  |
| Equipment   | ACTIA DVD  |
| Monitoring system   | Color reverse monitor,reverse radar  |
| AIR CONDITIONER   |  |
| Type  | A/C Roof Mounted, dependent  |
| HEATER  |  |
| Type  | WEBASTO Heater, with blown convector   |
| MIRROR  |  |
| Type  | Electric Rear View Mirror with Defroster   |
| INFORMATION DISPLAY   |  |
| Type  | MOBITEC LED electrical guidepost, 3 panels including front, right, rear                  |
| OTHER STANDARD EQUIPMENTS   |  |
| ACTIA CAN bus, KL-988 system with Digital Tachographer, Electrically elevated driver window with defroster, Automatic fire extinguisher for engine compartment, HAPPICH stop ring, Manual operated ramp for disabled, WIFI/WCDMA. |  |

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## Xiamen King Long United Automotive Industry Co.,Ltd.



Busbuilder of the Year 2010



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National Technology Center

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