



KING LONG NEW ENERGY VEHICLES



KING LONG PROFILE

Incorporated in December 1988, Xiamen King Long United Automotive Industry Co., Ltd is a subsidiary of Xiamen King Long Motor Group (stock code: 600686). In 2022, King Long brand value reached 68.697 billion yuan, ranking among the top brands in China automobile industry. King Long possesses 4 Production Bases for Xiamen coaches & buses, Xiamen mini vans, Xiamen and Shaoxing trucks and special vehicles. The annual production capacity is 20000 units for large and medium-sized buses and 30000 units for minivans. King Long boasts the most complete intelligent transportation product line in the industry, covering large, medium, and light buses, autonomous driving buses, special vehicles, RVs, and all kinds of Pan travel products. The total number of buses produced by King Long has exceeded 500,000, of which more than 120,000 are exported overseas to more than 140 countries and regions world- wide. King Long enjoys high brand awareness and reputation thanks to its in- volvement and professional service in many major events, including the China Two Sessions, the 2008 Beijing Olympic Games, the 2010 World Expo, the 2012 London Olympic Games, the 2017 BRICS Xiamen Summit, the 2018 World Cup and the APEC Summit in Papua New Guinea, etc.

King Long has a nationally recognized technology research institute, a nation- al-level test center, and a post-doctoral workstation, and also is a national demonstration enterprise of "integration of informatization and industrializa- tion". Focusing on research and development of intelligent networked trans- portation, King Long has successively launched the King Wings Internet of Ve- hicles technology Platform, Easy Drive new energy management system, China first L4 mass-produced Apollo autonomous bus, and 5G V2X intelligent networked city bus. Now, with an innovative mindset, King Long is heading for "Becoming a provider of intelligent transportation system solution" for a beau- tiful travel community.

WIDE SELECTION OF NEW ENERGY VEHICLES

King Long's new energy commercial vehicles, covering different lengths of buses and road vehicles, heavy trucks and sightseeing buses, meeting the diversified operational needs of customers.

ELECTRIC CITY BUS



XMQ PEV12-H



XMQ PEV10-L



XMQ PEV8-H



BUS CHASSIS

ELECTRIC MINIVA



XMQ6552EV



XMQ6530EV

PEV12



XMQ PEV12-H

12M PURE ELECTRIC BUS



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EXTERIOR

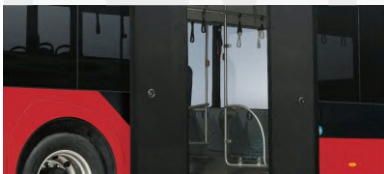
The aesthetic design is embodied down to every detail. The aerodynamic line of roof and prominent front top outline its inviting attraction. LED Headlights and silver decorative bar mix perfectly with the texture of cities. Just one glimpse, it will catch your instant attention.



Sleek and dynamic styling with soft edge



Dazzling LED headlights and day running lights, accompanying your safe journey



Wide-opening sliding doors with low floor structure for easy boarding on & off



Rear compartment door with concealed doorknob



Delicate and neat layout of wiring harness

INTERIOR

With modern design and luxurious interior, PEV12 offers you an inviting and homey atmosphere. Every detail is meticulously considered with combine of ergonomy and comfort, such as nail-free design for whole vehicle, aesthetic ceiling with ambient lighting, streamlined hand holders, neat design of hidden screw, handrails attached to side- wall instead of the floor, all to render you a pleasant and quiet journey.



Aesthetic ceiling with build-in ambient lights (multiple colors options)



Integrated Actia dashboard can be adjusted up and down, back and forth



Humanistic wheelchair area for physically challenged passengers and stroller users



Ergonomic new city with soft pad



Passenger seats and stainless steel handrail attached to sidewall, much easier for floor cleaning

MAINTENANCE

A well-designed city bus shall never neglect the maintenance convenience. In our PEV12, maintenance accesses are strategically located to ensure easy to key components. Also, PEV12 optimizes every necessary opening for easy access, such as side cabin door and roof battery hatch, interior air duct etc.



Air duct above driver's head
with separate slots



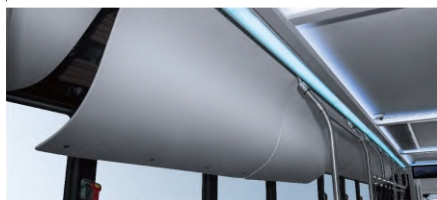
Alloy roof battery cover with
wider opening angle



Side cabin door with 160
degree opening angle



Openable front bumper for
easy maintenance



Openable for all interior air
ducts

XMQ PEV12-H TECHNICAL SPECIFICATION

Model	XMQ PEV12-H
Driving	RHD
Technical Parameter	
Body Structure	Electrophoresis Monocoque
Length*Width*Height (mm)	11980 * 2500 * 3800
FOH- WB - ROH (mm)	2470 - 6200 - 3310
Max. Passenger/Seat	85/28+1+1
Battery Capacity (kwh)	352.08
Operation Range (km)	250
Charging Time (h)	2hrs (150kw)
Motor	
Model	KING LONG MOTOR
Torque (N.m)	Rated 1800/Peak 3500
Peak Power (kw)	200/350
Cooling Fan	ICS (Intelligent Cooling System)
Chassis	
Suspension System	Air Suspension
Front/Rear Axle	Chinese Dong Feng Front Axle
Braking System	Front/Rear Disc Brake EBS3
Steering	BOSCH Power Steering
Tyre/Rim	295/80R22.5 Chinese Tubeless/Standard Rim
Body	
Doors	Double Door, In-Swing
Side Windows	F-green Glass, Tempered Closed Glass
Driver Seat	Air Damping, Seat Belt
Passenger Seat	Special City - Bus Seat
Side Mirror	Iron-Framed, Exterior Rear-View Mirror, Manual
Air Conditioner	Single-Cooling A/C - Independent Water Cooling
Destination Board	Front, Rear and Left Side LED Destination Board
Electrical Instrument	CAN System + Front & Middle Ceiling Board with One Fixed LCD
Security Camera	CCTV system with 8 Cameras
Charging Port	2 x COMBO 2 Standard



XMQ PEV10-L

10,5M PURE ELECTRIC BUS



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EXTERIOR

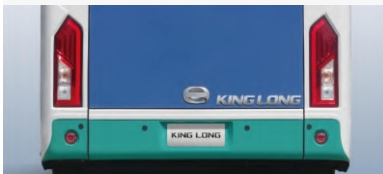
XMQ PEV10-L adopts monocoque structure, Highly-integrated LED clusters as headlights, accompanied with star-like decorative elements deliver irresistible attraction of delicacy and strength.



Wide passenger doors offering more efficient movement



Double front windshields
reducing maintenance
cost



Symmetrical square rear tail
lights, practical and aesthetically
pleasing



Motor with 3500Nm torque enabling
quick start and fast acceleration



Barrier-free ramp for the disabled
to easily get on and off

INTERIOR

To deliver a bright and lively atmosphere, XMQ PEV10-L adopts multiple contrasting but harmonious colors, such as wooden floor, yellow and blue seats with soft cushion, cream roof etc. User-friendliness is displayed in every detail, such as special area for the disabled, special stop button at easy height for the disabled, semi-closed driver compartment, low floor through the whole gangway to the rear, all to deliver for a better riding experience.



Modern design and luxurious interior



Full LCD dashboard instrument cluster with 10-inch LCD display, real time display of ongoing traffic detail



Electric heating, air conditioner with roof heating function, worry-free for cold winter



Dampened and adjustable driver seat, greatly reducing driving fatigue



Semi-closed driver compartment, free interference from outsiders

XMQ PEV10-L TECHNICAL SPECIFICATION

Model	XMQ PEV10-L
Driving	RHD
Technical Parameter	
Body Structure	Electrophoresis Monocoque
Length*Width*Height (mm)	10500 * 2500 * 3320
FOH- WB - ROH (mm)	2350 - 5700 - 2450
Max. Passenger/Seat	70/26+1+1
Battery Capacity (kwh)	266.61
Operation Range (km)	200-250
Charging Time (h)	2hrs (150kw)
Motor	
Model	KING LONG MOTOR
Torque (N.m)	Rated 1400/Peak 2800
Peak Power (kw)	250/350
Cooling Fan	ICS (Intelligent Cooling System)
Chassis	
Suspension System	Air Suspension
Front/Rear Axle	Chinese Dong Feng Front Axle
Braking System	Front/Rear Disc Brake EBS3
Steering	BOSCH Power Steering
Tyre/Rim	275/70R22.5 Chinese Tubeless/Alloy Rim
Body	
Doors	Double Door, In-Swing
Side Windows	F-green Glass, Tempered Closed Glass
Driver Seat	Air Damping, Seat Belt
Passenger Seat	Special City - Bus Seat
Side Mirror	Iron-Framed, Exterior Rear-View Mirror, Manual
Air Conditioner	Single-Cooling A/C - Independent Water Cooling
Destination Board	Front, Rear and Left Side LED Destination Board
Electrical Instrument	CAN System + Front & Middle Ceiling Board with One Fixed LCD
Security Camera	CCTV system with 8 Cameras
Charging Port	2 x COMBO 2 Standard



XMQ PEV8-H

8M PURE ELECTRIC BUS



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FEATURE

XMQ PEV8-H with elegant combination of sleek styling and rounded edges, it is bound to hit the streets. And large window design give the city more beautiful design elements.



Wide passenger doors offering more efficient movement and Make it easier for passengers to access buses



XMQ PEV8-H TECHNICAL SPECIFICATION

Model	XMQ PEV8-H
Driving	RHD
Technical Parameter	
Body Structure	Electrophoresis Monocoque
Length*Width*Height (mm)	7380 * 2100 * 2980
FOH- WB - ROH	1680 - 3980 - 1720
Max. Passenger/Seat	38/14+1
Battery (kwh)	176.04
Operation Range (km)	200-250
Charging Time (h)	2hrs (150kw)
Motor	
Model	KING LONG MOTOR
Peak Power (kw)	90/180
Torque (N.m)	Peak 2100
Cooling Fan	ICS (Intelligent Cooling System)
Chassis	
Suspension System	Air Suspension
Front Axle (T)	3.5
Rear Axle (T)	6.14
Braking	EBS3
Steering Pump	Power Steering
Tyre - Rim	251/75R17.5 - Steel Rim 6.75×17.5
Body	
Doors	Double Folding Doors, Double Door In-Swing
Side Windows	F-green Glass, Tempered Closed Glass
Driver Seat	Air Damping, Seat Belt
Side Mirror	Iron-Framed, Exterior Rear-View Mirror, Manual
Air Conditioner	Song Single-Cooling A/C - Independent Water Cooling
Destination Board	Front, Rear and Left Side LED Destination Board
Security Camera	CCTV system with 8 Cameras - 360 Degree Monitoring System
Charging Port	2 x COMBO 2 Standard
Cabin Floor	Floor Mat Luxury Wood - Like Floor Leather



XMQ 6530EV

ELECTRIC MINIVAN



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FEATURE



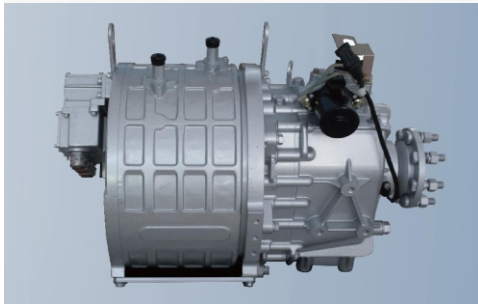
Fashionable dashboard and convenient control layout,
a more comfortable driving experience



Air conditioning vents on both sides
making cooling in travelling



Driver & ECO Driving Modes meeting
different road condition



KING LONG Brand PMSM whose max/rated
power is 80/50Kw, Max torque is 270 Nm the max.
Gradient is 25% (Full Load)



CATL 50.232 Kw/h Battery combining
regeneration function extends the running
range to 250 Km (Full Load)

XMQ6530EV TECHNICAL SPECIFICATION

XMQ6530EV SPECIFICATION	
Driving	RHD
Motor Type	Permanent Magnet Synchronous Motor
Max/Rated Power	80/50 Kw
Max/Rated Torque	270/130 N.m
Battery Quantity	CatL 50.23 kwh
Charging System	EU Standard
Battery Continuous Voyage	60km/h, A/C off: ≥230km
Electronic Control System	3-in-1 Electronic Control
Transmission	EV Specialized
Front Suspension	Torsion Bar Spring
Rear Suspension	Leaf Springs
Brake System	Front Disc/Rear Drum
Seat Belt	Two Point Seat Belt for all Seats
Front Fog Lamp	Front Fog Lamp
Front Window	Power Driver Window
Rearview Mirror	Power Rearview Mirror
Steering Wheel	Adjustable Four-Spoke
Mudguard	Front/Rear Mudguard
Control System	Center Controlled Door Lock
Max. Passenger/Seat	14/2+3+3+3+3
Dimension	5300*1700*2250
Wheelbase	2890
Maximum Design Total	3490 Kg
Color	White
Wheel Rim	Aluminum
Tire	Tubeless 195/70R15LT 12PR
Front Lamp	All-In-One Drill Crystal Lamp
Rear Lamp	Common Rear Combined Lamp
Reflective Stripe	Red and White
Glass Side	White
Audiovisual	MP5 + Reverse CameraOptional: (SD Card Slot + USB + Radio)
Air Conditioning	With Front and Rear A/C
European Charging Socket	European Charging Socket



XMQ6552EV

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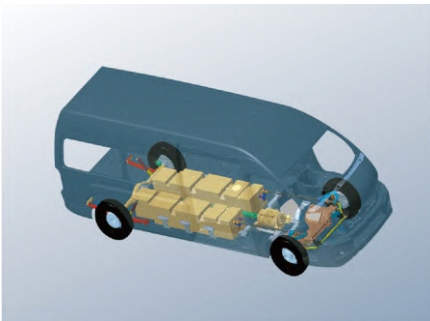
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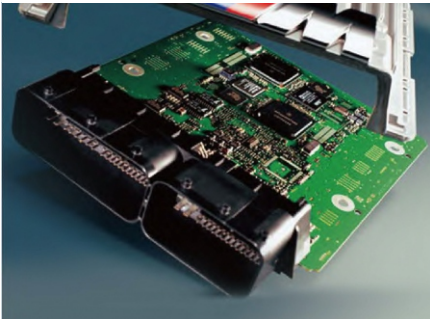
Fashionable dashboard and convenient control layout, a more comfortable driving experience



The seat adopts ergonomic design, and provides more comfortable riding, 10-15 seats available



The layout of power system is optimized to ensure the better interior space



The electronic control system precisely controls the whole vehicle operation

XMQ6552EV TECHNICAL SPECIFICATION

Model	XMQ6552EV
Driving	RHD
Motor Type	Permanent Magnet Synchronous Motor
Rated/ Max. Power (kw)	50/90
Rated/Max. Torque (N.m)	160/350
Battery Capacity (kwh)	CATL 70.479
Charging time	AC < 12h, DC < 2h
Charging System	Charging port - GB standard
Front Suspension	Double Cross Arm Torsion Bar Spring Independent Suspension
Rear Suspension	Longitudinal Leaf Spring Ion-Independent Suspension
Brake	Front Disc/Rear Drum
Break Assist	ABS+EBD
Parking Brake	Hand Brake
Tyre - Rim	215/75R16LT - Aluminum Wheel
Length*Width*Height (mm)	5470*1885*2285
Wheelbase (mm)	3110
Max Speed (km/h)	90 Km/h
Seat Arrangement	16 Seat
Color	White Color
Seat Materials	PU (Option)
Speaker	Low Frequency
Audio System	Radio+USB+SD
Air Conditioning	Rear Spraying Air Conditioning with One Roof-Packed Evaporator
Heater	Front Heater
Reversing Radar	Buzzer Alarm (option)
Door Lock	Central Lock (Remote Control)
Door Locking Alarming	●
Column Anti-Theft Locking	●
Battery Heating System	●

Note : ● Standard Equipment



BUS CHASSIS



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EXTERIOR

With the concept of platformization and modularization, King Long has created a pure electric chassis to provide trading partners with an open and reliable platform.



01 LIGHTWEIGHT :

The chassis is made of high-strength Q700 lightweight material, which is 350kg lighter than conventional Q345B material

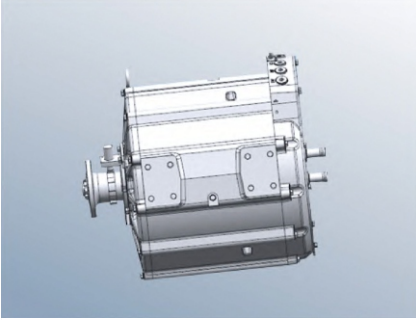
02 LONG RANGE :

The standard battery has a large capacity of 422,87kWh, with a range of over 300KM, the optional battery is 350,1kWh with a range of 250KM.

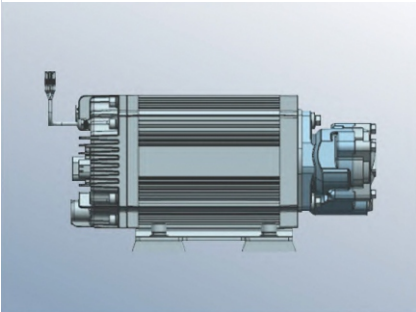
03 ANTI-RUST AND ANTI-CORROSION :

The bottom frame adopts electrophoretic anti-corrosion black paint, double rust and corrosion resistance.

FEATURE



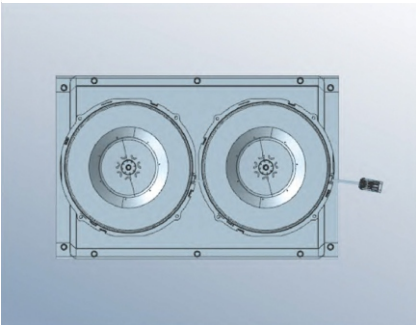
Adopting 3500Nm high-torque motor, with a climbing degree of 20,8% under the total mass of 18 tons



Adopting a dual source electric steering pump, when the speed is over 5km/h, and the high voltage abnormal power failure, it can be powered by the low voltage to maintain the steering power for about 2 minutes to improve the driving safety



High reliability with front and rear axles from international famous brand ZF



Adopting King Long's self developed intelligent cooling system with DC brushless electronic fan, which has a long product lifetime, low energy consumption and low noise

CITY BUS CHASSIS TECHNICAL SPECIFICATION

General	BUS CHASSIS
Driving	RHD
Length*Width*Height (mm)	11980 * 2550 * 3300
FOH- WB - ROH (mm)	2800 - 5750 - 3430
Motor	
Model	DANA Motor
Torque (N.m)	3500
Peak Power (kw)	195/350
Battery Capacity (kwh)	210
Cooling System Battrey	Independent Water Cooling system
Chassis	
Suspension System	Air Suspension
Front Axle	ZF - 8.2T
Rear Axle	ZF - 13T
Braking System	Front and Rear Disc Brake EBS3
Steering	BOSCH Power Steering
Rim	Alloy Rim
Tyre	Michelin Tubeless 295/80R22.5

RELIABLE NEW ENERGY TECHNOLOGY

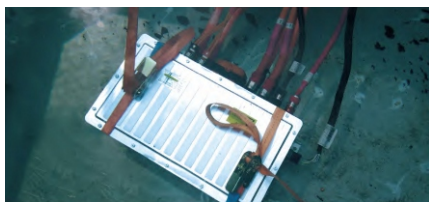
King Long continues to invest in research and development of new energy technologies to provide customers with safe, reliable, energy saving, intelligent and widely adaptable technologies for their operations.

SAFETY

King Long customers with comprehensive active and passive safety protection in terms of structural safety, braking safety, battery safety and waterproof performance.



Monocoque body



Battery compartment waterproof IP67



Wire harnesses are protected in layers with high-standard insulation sleeves



Industry-leading multi-spray fire extinguisher with pipe immersion

RELIABILITY

To ensure the quality of new energy products, King Long has continuously improved the experimental, testing and R&D conditions of new energy products and built a three-tier verification system for components, power systems and complete vehicles to effectively improve the reliability and durability of vehicles.



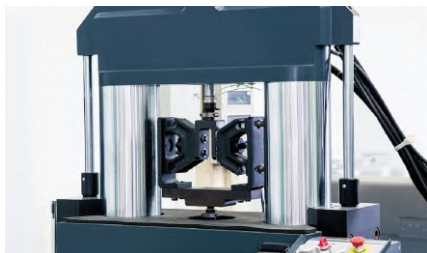
New Energy Vehicle Test



Motor Test



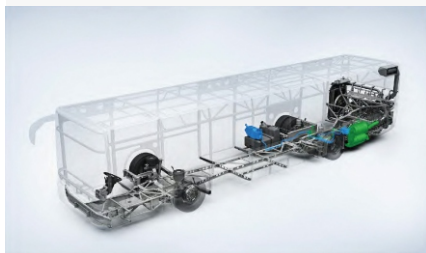
Power Battery Test



Component Performance Test

ECONOMY

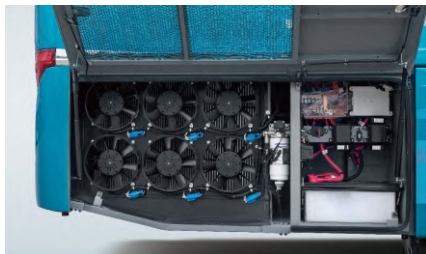
Through its lightweight design, ECO-Chip new energy management system and intelligent cooling ICS system, King Long can further save energy and reduce consumption while also improving the performance of the vehicle.



Lightweight design, battery
motor weight reduction



ECO-Chip management system,
energy saving and high efficiency



King Long intelligent cooling
ICS System, effectively
reducing energy consumption



Adopting permanent magnet
synchronous motor with maximum
efficiency of 95%

INTELLIGENT

(Only for use in areas with internet service)

King Long's new energy vehicles are fully equipped with the SmartGO Telematics platform, which allows users to monitor the high-voltage electrical components and battery parameters of the new energy vehicles in real-time through multiple ways such as Internet terminals and mobile phone applications, to grasp the running conditions of the vehicles anytime and anywhere, making vehicle management more efficient and intelligent.



Remote monitoring system of SmartGO Telematics platform



Online vehicle location query



Vehicle real-time information query



Vehicle operating status checking via mobile phone

ADAPTABILITY

According to different bus and road vehicle running needs of the operating companies, the length of the routes, etc., King Long provides customers with a full range of customized new energy product and is committed to creating greater value for customers.



Different battery capacities
available on demand



Both fast and slow charging
modes are available

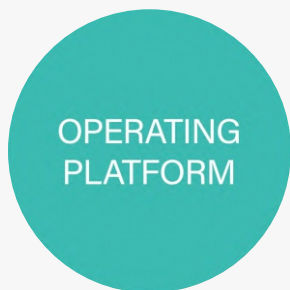
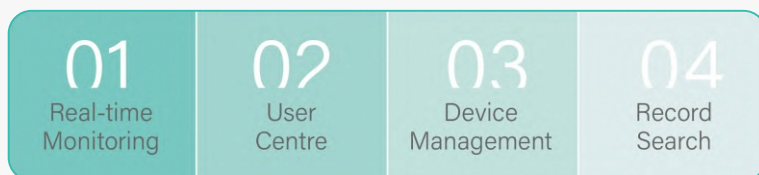
PERFECT AFTER-SALES SERVICE

King Long has more than 600 after-sales service outlets all over the world, providing customers with remote technical support, project team presence and technical training services. King Long also supplies original spare parts, which are of high quality and meet the standards of original vehicle parts, ensuring the safety and performance of the vehicles.



ONE-STOP SMART CHARGING OPERATION

King Long provides customers with a one-stop smart charging operation of "vehicle procurement + charging operation", as well as technical support and consultation on station construction according to their actual situation, which can help customers avoid detours or waste of money in the process of station construction and increase customer satisfaction. At the same time, King Long charging operation management platform can provide comprehensive and one-stop service support for charging station site management, operation analysis and monitoring, and operation revenue analysis, etc.



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