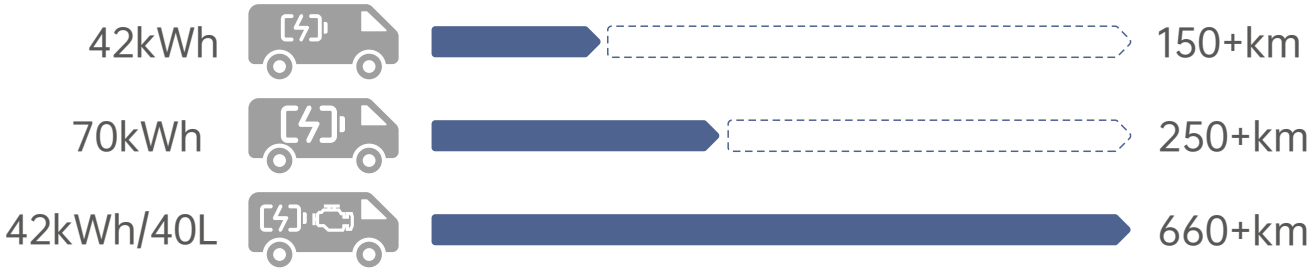
Range Extender System - Driving Unlimited

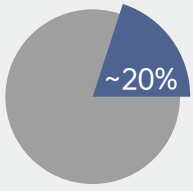


Digital Intelligent Delivery »» Range Extender Logistics Van

660+km	7.2+m³	40L	Fast Charging
Max. Range (WLTC)	Max. Capacity	Fuel Tank Capacity	Battery Mode

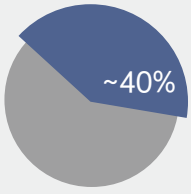
ADVANTAGES AND CHARACTERISTICS





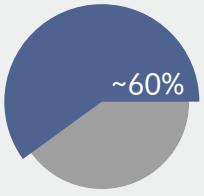
Efficiency Improvement

Taking the vehicle equipped with 42kWh battery in the current market as an example, 3 times charging to complete target mileage and 45 minutes charging during. With GETEC range extender, there is no charging necessary that will improve approx. 20% efficiency.



Operation Cost Saving

With GETEC range extender system(electricity-fuel energy 24:76), it will save approx. 40% operation cost compared with fuel vehicle daily. Take 250 working days into account, it will save 20,000 CNY per year.



Development Cost Saving

Considering the uninterrupted driving under same mileage, the EV requires larger battery capacity than REEV. According to the analysis of the market development battery price, GETEC Range Extender System is able to save 60% of the updating development cost and allows customized solution according to customer requirements.

Financial Solutions

Multiple financial solutions available according to application scenarios

Maintenance & After-sales

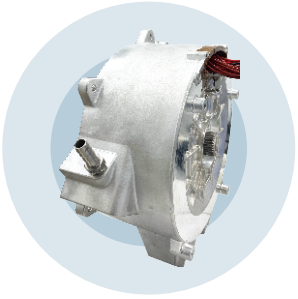
Provide one-stop service solutions

PRODUCT ADVANTAGES

The range extender system consists of three core components of GETEC is adapted to various of chassis platforms which aiming to build a "light-duty and high-efficiency drivetrain". The system has the characteristics of high efficiency, lower fuel consumption and long range.



GETEC's self-developed range extender system uses Japanese-type all-aluminum structure engine, which significantly improves the stability and economy of system.



The new generation GETEC generator combines light-weight, high-efficiency & low-cost. Modular design of stator and rotor, which can be combined for different torque and power.



The Vehicle Control Unit (VCU), jointly developed by GETEC and Germany HQs, is applied on the vehicle, where optimized energy management and balanced the emission regulations and drivability.

PARAMETER CONFIGURATION

Vehicle Parameter		
Wheelbase		2890 mm
Vehicle size L×W×H		5300×1700×2250 mm
Cargo Size L×W×H		2650×1360×2500 mm
Cargo Capacity		7.2+ m^3
Overall Mass		3060 kg
Curb Mass		1960 kg
Max. Speed		80 km/h
Max. Range (WLTC)		660+ km
Range Extender System		
Motor	Type	PMSM
	Peak Power	80 kW
Range Extender	Engine	4-cylinder,1.4L
	Generator	GETEC -40℃~+185℃ water-cooled generator
	Fuel Tank	High pressure fuel tank
Controller	Vehicle Control Unit	GETEC VCU
	All-in-one Control Unit	Espiritek
Battery	Battery Type	CATL LFP Battery
	Battery Capacity	42 kWh
	Charging Mode	Fast Charging
Chassis		
Break		Front disc rear drum
Suspension		Torsion bar spring independent suspension/ steel spring non-independent suspension
Tires		195R15LT Steel
Configuration		
Standard	All-inclusive cab, fast charging, standard comfort seats, USB power, 7-inch color LCD combination instrumentation, low-speed pedestrian alarm reminder, maintenance-free battery, ABS, T-BOX (new energy), front fog lights + cornering auxiliary lighting	
Optional	Aluminum alloy rims, 8-inch HD touch screen + reverse camera, daytime running lights, widened rearview mirror	

The specific parameters are subject to the vehicle announcement