



NEW ENERGY ASIA PACIFIC

www.new-energyap.com

**“ We’re Changing the Way the
World Thinks About Machinery ”**

New Energy Asia Pacific Co., Ltd

as part of the effort to make construction more sustainable, we are rolling out all-electric versions of traditional construction vehicles. Electric construction equipment isn't a new concept. Hybrid electric machines have been available for years, and all-electric models of excavators, loaders, dump truck and other heavy machinery are currently available over the world. In coming years, electric heavy machinery will join the ranks of electric cars and public transportation as an eco-friendly alternative, it will be the push for sustainable construction practices intensifie.

YOUR ADVANTAGES AT A GLANCE

Transitioning to all-electric equipment benefits construction companies and the environment in more ways than one. The top three advantages of electric heavy machinery include:



3 MAJOR BENEFIT

1. Lower Carbon Emissions

Because electric construction equipment doesn't rely on gasoline or diesel fuel, it delivers net-zero carbon emissions and promotes sustainable construction practices.

02. Less Noise Pollution

electric construction equipment is much quieter than traditional diesel-fueled machines. This makes machines safer to operate and leaves construction workers feeling less fatigued at the end of the day.

03. Less Project Cost

All-electric equipment not only eliminates fuel costs but also reduces overall operating costs thanks to its lower engine run time.

All-Electric VS Diesel



All-Electric Equipment

- Powered by lithium-iron battery packs
- Net-zero carbon emissions



Diesel Equipment

- Powered by diesel engine
- Emits CO2

In construction site, most of the heavy machinery was powered by diesel fuel. While diesel-powered construction equipment is still overwhelmingly in the Hong Kong, all-electric models are becoming more prominent than you might think — and they tend to blend right in.



When it comes to overall performance capabilities, all-electric equipment is almost identical to its diesel counterpart. The biggest differences between electric and diesel equipment can be found under the hood. Instead of containing a diesel engine and cooling fan, electric equipment contains rechargeable lithium-ion battery packs. Some electric equipment also lacks the traditional hydraulics systems found in their diesel counterparts.

OUR BRAND



FOTON ELECTRIC TRUCK



- ❖ Flexible business products and low operating costs
- ❖ Safe driving and intelligent operation
- ❖ Zero emission, long battery life, low energy consumption
- ❖ Battery insulation patent blessing
- ❖ High performance, suitable for complex working conditions



LOW ENERGY CONSUMPTION

Develop a decoupled braking energy recovery system to achieve motor braking priority, to avoid the synchronous superposition of motor brake and mechanical brake commonly used in the new energy industry. It can effectively improve the braking energy recovery rate by 3-5% and extend the driving range by 5-10 km to reduce the cost of use;

Foton independently develops VCU and adopts PEU five-in-one controller. The PEU system integrates MCU (motor drive), DC-DC (voltage adjustment), OBC (on-board charger), and PTC (on-board heater) and other functions, high integration, advanced algorithms, precise control, and reduce energy consumption under the working conditions of coagulation trucks;



HIGH POWER

Powerful, equipped with a drive motor with a maximum power of 360kW and a torque of 2400N m. The cruising range of worry-free driving exceeds 160 kilometers, 5 minutes of battery replacement, 2 hours saved, and more efficient transportation.

AMT pure electric system is suitable for the drive power requirements of heavy trucks, and can achieve high power and high torque.



LONG BATTERY LIFE

The electric mixer truck has a leading level of technical research on the electronic control system, energy recovery system and bodywork drive system. It adopts a number of new technologies to reduce energy consumption during concrete transportation, reducing the cost of use and driver anxiety.

The top-mounted mixing tank adopts a motor reducer to directly drive the tank, and the transmission system is simple. Compared with the motor-hydraulic system (motor + hydraulic pump + hydraulic motor + reducer) used by competing products, the transmission efficiency is increased from 85% to 96%, and Increase 13% the power consumption of the top-mounted mixing tank.

LIGHTWEIGHT

Using a series of new materials, new technologies and new processes, the weight of the electric mixer is 1 ton lower than that of competing products.

The lightweight design of the upper body is optimized from the tank assembly, cleaning system and sub-frame assembly, and the weight of the upper body is greatly reduced.

ZERO EMISSION

No pollution in emissions: no diesel and urea are consumed, and no harmful substances such as nitrogen oxides, carbon monoxide and particles are produced;

Low noise: When the vehicle is in use, the noise is extremely low, it does not disturb the residents, and the construction environment is greatly improved



ELECTRIC MIXER



Capacity(m ³)	10
Model	BJ5319CJBEV1A
Dimension L*W*H(mm)	10510*2550*3860
Axle Distance(mm)	2100+2750+1350
Curb Weight(kg)	15900
Total Mass(kg)	31000
Rear Axle	5.571
Driving mileage(km) (DOD=80%)	160
Battery Rated Voltage (V)	618.24
Battery Rated Capacity (kWh)	281.92
Motor Rated Power (kW)	220/360
Motor torque (Nm)	1500/2100



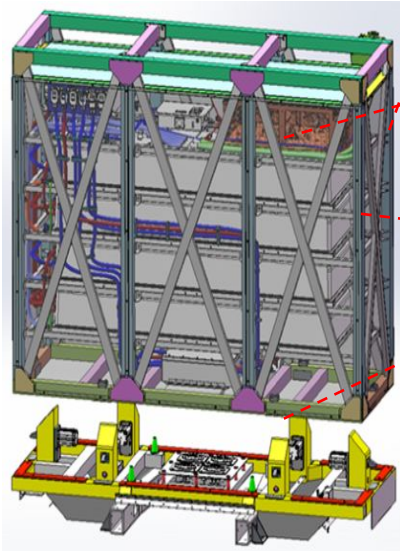
30 TON ELECTRIC DUMP TRUCK



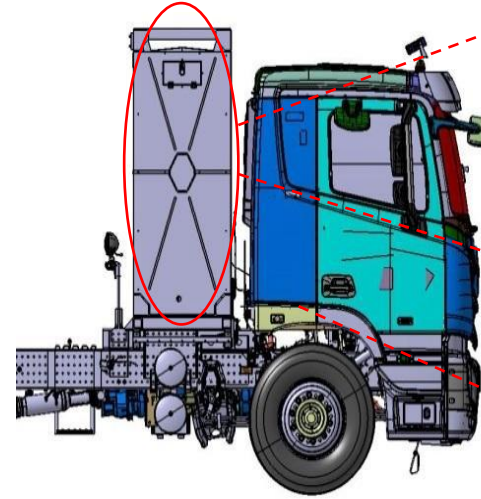
Model	BJ3319EVPA1
Dimension L*W*H(mm)	9260/9460/9660*2490*3550
Alxe Distance(mm)	2100+2750+1400
Curb Weight(kg)	18300
Total Mass(kg)	31000
Rear Axle	5.92
Tyre	12.00R20 18PR
Battery Rated Voltage (V)	618.24
Battery Rated Capacity (kWh)	281.92
Motor Rated Power (kW)	220/360
Motor torque (Nm)	1500/2100



Power exchange system features



- 1) CATL mature standard battery box, passed 15 national standard test items
- 2) Use a centralized liquid cooling system to ensure battery power performance and prolong battery life (better consistency and reduced attenuation)
- 3) The frame of the battery box uses 4mm high-strength cold-rolled steel, which is better for battery protection;
- 4) The battery system has added 7 additional items of Foton enterprise standard electrical performance (more stringent), and the battery replacement system has added vibration and shock tests



- 1) The centralized arrangement of battery boxes has higher modal frequency and superior structural stability than distributed arrangement
- 2) The battery box is centrally arranged, the high-voltage wiring harness path is short, and the system insulation performance is better
- 3) The battery system is centrally arranged on the rear side of the cab to increase the protection of the cab during the lifting and landing of the container

eTech ELECTRIC WHEEL LOADER



- ❖ Zero emission, zero pollution, low noise.
- ❖ High battery safety, no risk of spontaneous combustion / deflagration.
- ❖ Low maintenance & operating cost
- ❖ Long battery lifetime
- ❖ Low energy consumption



HIGH EFFICIENT

The hydraulic system and the traveling system are independently driven, which is simple, reliable, energy-saving and efficient; the traveling motor is driven by the torque/speed/power mode compound, with strong power, and the driving force is superior to the traditional loader of the same tonnage.

The gears are all used in the front two and the rear, and the planetary gearbox has a more reasonable transmission ratio, which can meet the requirements of traction and speed at the same time, and is more suitable for complex and changeable working conditions. V-shaped working conditions, transition distance of 20 meters, no need to stop Low-speed switching, using electro-hydraulic proportional shift control system, smooth control without impact



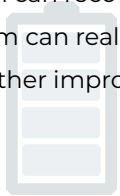
LOW ENERGY CONSUMPTION

Independently developed special load positive flow control system with variable speed, good controllability, good low speed performance, supply on demand, can reduce overflow loss during unloading, energy saving and high efficiency, 1 hour comprehensive energy consumption 30-35 kwh.



LONG BATTERY LIFE

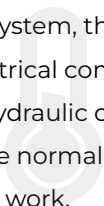
The walking system can recover energy from braking, and the hydraulic system can realize electrical energy recovery, which further improves the battery life of the vehicle.



One charge only takes 1-2 hours (calculated by 120kW charging pile: 5T model supports dual-gun charging, and 240kW charging pile only takes 1 hour)

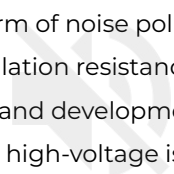
TEMPERATURE CONTROL

Through reasonable calculation and selection, reasonable arrangement of cooling pipes and intelligent control of heat dissipation system, the temperature of each high-voltage electrical component of the vehicle and the temperature of hydraulic oil/gear box gear oil can always be kept within the normal working temperature range during long-term work.



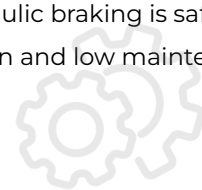
LESS NOISE

After Testing the noise in the cab is as low as 60-75dB, which greatly reduces the harm of noise pollution to the driver. Through real-time insulation resistance monitoring and independent research and development of high-voltage management unit, the high-voltage is reasonably switched on and off, and the driver's property and personal safety are always guaranteed.



LESS MAINTENANCE COST

Automatic lift hood, special chassis and frame development for parts, reasonable layout of vehicle parts, easy maintenance; hydraulic braking is safe and reliable to reduce energy consumption and low maintenance cost





NE18-EL WHEEL LOADER

The NE18-EL electric loader is the first-of-its-kind industrial vehicle to be able to deliver power performance with an all-electric drive system. With a 1.8 ton rated operating load and 9-hour operation time, the NE18-EL offers the power to handle the job efficiently while staying quiet and clean for both indoor and outdoor use.



Rated Load	1800kg
Operating Weight	7200kg
Bucket Capacity	1.0m ³
Electric Drive Motor (Rated Power)	57kW
Electric Working Motor (Rated Power)	37.7kW
Max. Dumping Height (at angle of 45°)	2450mm
Max. Dumping Distance (at angle of 45°)	850mm
Max. Travel Speed	26km/h
Steering Angle	± 32°
Overall Dimension (L x W x H)	6300 x 1920 x 3060mm
Tire	16/70-20PR
Battery Type	Lithium Battery Power
Battery Capacity	140.92Kwh
Battery Voltage	618.24V



NE50-EL WHEEL LOADER

With a 5-ton load capability the NE50-EL Electric Loader has the robust power to handle large projects without compromising the local environment with harmful operating emissions. This vehicle will lead the world towards a cleaner and healthier tomorrow



Rated Load	5000kg
Operating Weight	18500kg
Bucket Capacity	3.0m ³
Electric Drive Motor (Rated Power)	120kW
Electric Working Motor (Rated Power)	90kW
Max. Dumping Height (at angle of 45°)	3400mm
Max. Dumping Distance (at angle of 45°)	1300mm
Max. Travel Speed	32km/h
Steering Angle	± 35°
Overall Dimension (L x W x H)	8700 x 3016 x 3380mm
Tire	23.5-25-16PR
Battery Type	Lithium Battery Power
Battery Capacity	282Kwh
Battery Voltage	618.24V

eTech ELECTRIC EXCAVATOR



- ❖ Zero emission, zero pollution, low noise.
- ❖ High battery safety, no risk of spontaneous combustion / deflagration.
- ❖ Low maintenance & operating cost
- ❖ Long battery lifetime
- ❖ Low energy consumption



POWER SUPPLY

In response to the working conditions of crawler excavators, the electric crawler excavator with combined power grid/battery power supply was launched.

The power grid independently supplies power and can supply power to the battery, which is suitable for easy access to electricity and small-scale long-term operation scenarios;

The battery is independently powered, which is suitable for short-term operation scenarios such as outside the grid and transfer, and the battery capacity can be configured according to demand;

Power grid/battery composite power supply, suitable for special working conditions.

The AC/DC power supply controller can realize fast switching and adjustment of power supply, and integrate functions such as high-voltage safety management and energy flow management.





HIGH EFFICIENCY

Adopt variable speed and variable displacement dual variable load sensing system. The maximum driving force is increased by more than 20%, the energy consumption of whole machine is reduced by more than 30% and the working efficiency is increased by 20%.

Independently developed electronic control system, provides all-round real time fault diagnosis and protection for the electrical system and hydraulic system, large closed-loop feedback of hydraulic parameters, torque prediction and direct control of torque.

LOW ENERGY CONSUMPTION

Multi-motor coordinated control, reasonable matching of motor load, optimized energy management, efficient operation, time-sharing, automatic idle stop to reduce the energy consumption

HYDRAULIC SYSTEM

Equipped with a load sensing system (LUDV) with anti-flow saturation function, to achieve the matching of load flow and pressure, that is, what you get and what you need.

TRAVEL SYSTEM

Two-speed hydrostatic transmission travel system, full hydraulic brake system, dual-cylinder anti-vibration control, equipped with hydraulic accumulator, safer and more reliable operation and travel.

ELECTRONIC THROTTLE SYSTEM

Electronic throttle system, easy to operate, has two modes of automatic/manual, according to different needs, it can work under heavy load, standard and economic conditions, taking into account high efficiency and different operating habits.



NE80 EXCAVATOR



Bucket	m3	0.1~0.28
Operating Weight	kg	8,500
Track Shoe	mm	450
Rated Power	kW	46.5
Travel Speed (high/low)	km/h	3.8/2.5
Rotating Speed	r/min	11.5
Max. Gradeability	%	70
Max. Arm Digging Force	kN	50
Max. Digging Depth	mm	4,190
Max. Digging Height	mm	5,780
Max. Dumping Height	mm	4,580
Max. Digging Reach	mm	6,710
Min. Turning Radius	mm	1,965
Dimension	mm	5970 x 2190 x 2600



NE120 EXCAVATOR



Bucket	m3	0.2~0.45
Operating Weight	kg	11,500
Track Shoe	mm	450
Rated Power	kW	74
Travel Speed (high/low)	km/h	35/10
Rotating Speed	r/min	10
Max. Gradeability	%	70
Max. Arm Digging Force	kN	63.5
Max. Digging Depth	mm	4,868
Max. Digging Height	mm	6,925
Max. Dumping Height	mm	4,706
Max. Digging Reach	mm	7,236
Min. Turning Radius	mm	1,328
Dimension	mm	7026 x 2400 x 2700



NE150 EXCAVATOR



Bucket	m3	0.5~0.7
Operating Weight	kg	13,900
Track Shoe	mm	500
Rated Power	kW	92
Travel Speed (high/low)	km/h	5.3 / 3.1
Rotating Speed	r/min	12.4
Max. Gradeability	%	70
Max. Arm Digging Force	kN	67.6
Max. Digging Depth	mm	6,039
Max. Digging Height	mm	8,651
Max. Dumping Height	mm	5,552
Max. Digging Reach	mm	8,197
Min. Turning Radius	mm	1,328
Dimension	mm	7750 x 2500 x 2760



NE250 EXCAVATOR



Bucket	m3	1.2
Operating Weight	kg	25,500
Track Shoe	mm	600
Rated Power	kW	120
Travel Speed (high/low)	km/h	5.3 / 3.5
Rotating Speed	r/min	10.5
Max. Gradeability	%	70
Max. Arm Digging Force	kN	135
Max. Digging Depth	mm	6,940
Max. Digging Height	mm	9,680
Max. Dumping Height	mm	6,785
Max. Digging Reach	mm	10,290
Min. Turning Radius	mm	4,450
Dimension	mm	10140 x 3190 x 3100



NE360 EXCAVATOR



Bucket	m3	1.6
Operating Weight	kg	35,000
Track Shoe	mm	600
Rated Power	kW	180
Travel Speed (high/low)	km/h	5.0 / 3.0
Rotating Speed	r/min	10.5
Max. Gradeability	%	70
Max. Arm Digging Force	kN	196
Max. Digging Depth	mm	6,980
Max. Digging Height	mm	9,840
Max. Dumping Height	mm	6,810
Max. Digging Reach	mm	10,700
Min. Turning Radius	mm	4,450
Dimension	mm	11320 x 3340 x 3580



NE530 EXCAVATOR



Bucket	m3	2.7
Weight	kg	53,000
Rated Power	kW	300
Travel Speed (high/low)	km/h	5.6/3.3
Rotating Speed	r/min	10.3
Gradeability	%	70
Max. Arm Digging Force	kN	279
Max. Digging Depth	mm	7,795
Max. Digging Height	mm	10,787
Max. Dumping Height	mm	7,915
Max. Digging Radius	mm	11,800
Min. Turning Radius	mm	5,210
Dimension	mm	12230 x 3900 x 3705

eTech ELECTRIC SUPPLY





BATTERY CHANGING STATION

Average daily
service 50 vehicles



High work intensity



Average daily
operation time
16-24h



Average daily
mileage less
than 300 km



Vehicle more
than 50 units



Specification

Changing Time	3-5 mins
Design Replacement Time	160-180 times / 24h
Battery Changing Mode	Top / Side Changing replacement
Charging Power	2000-3000 KW



BATTERY CHANGING MODE

Top Changing replacement



Performance :

- ❖ Battery replacement time: 3-5 minutes
- ❖ Number of spare batteries: 7
- ❖ Applicable models: various heavy truck models
- ❖ The power exchange equipment covers an area of 120m², and the front and rear need to be clear and wide

Side Changing replacement



Performance :

- ❖ Battery replacement time: 5 minutes
- ❖ Number of spare batteries: 7
- ❖ Applicable models: various heavy truck models
- ❖ The area of the power exchange equipment: 200 m²



INTEGRATED CHARGER STATION



Performance :

- ❖ Charging time: double gun fast charge <40min (20%-80%SOC)
- ❖ Charging mode: double gun fast charge, single gun slow charge
- ❖ Applicable models: mixer trucks and heavy trucks with the same battery interface
- ❖ Charging station area: 1500 m² (8 charging piles)



INTEGRATED CHARGER



120kW電動汽車直流一體機(雙槍)

型號	DH-DC1200SG38-Z
功率	120kW
尺寸	800*600*1750 mm
重量	238kg(不含模塊) 安裝方式 落地式

技術指標

- ❖ 工作電壓: AC 380V±15; 輸入模式: 三相五線製;
- ❖ 額定輸出電流: 120A(單槍); 最大輸出電流: 250A(單槍);
- ❖ 輸出電流誤差: $\leq \pm 1$; 電流 $< 30A$, 誤差 $\leq \pm 0.3A$;
- ❖ 輸出電壓範圍: DC 50-1000V, 恆功率範圍 300-1000V;
- ❖ 輸出電壓誤差: $\leq \pm 0.5$; 功率因數: ≥ 0.99 ;
- ❖ 總諧波電流: ≤ 5 (額定條件下, 100負載);
- ❖ 滿載最大效率: 95; 防護等級: IP54; 工作環境溫度: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$;
- ❖ 保護特性: 輸入過欠壓保護、輸出過欠壓保護、短路保護、過溫保護、過流保護、電池反接保護、柔性功率分配

產品介紹

- ❖ 一體式充電機, 是根據電動車輛設備充電需求, 專業設計生產的鋰動力電池充電機產品。
- ❖ 高效穩定: 該產品採用國際先進的軟開關技術, 具有轉換效率高、輸出電流穩定、可靠性高、壽命長等特點, 具有反接保護、短路保護、低壓保護、過壓保護、過熱保護等功能特點。採用模塊化設計, 具有強大的容錯性。
- ❖ 安全可靠: 帶CAN通信接口, 與電池管理系統BMS和星星充電後台監控系統實時通信, 對鋰動力電池的充電進行優化和可靠的保護。
- ❖ 智能運維: 支持4G/3G/2G等多種通信方式, 支持遠程維護、遠程軟件升級、故障診斷。
- ❖ 靈活配置: 提高了充電機的利用率, 適用於富裕電容有限, 或者適用車型穩定的場景。
- ❖ 模塊兼容性: 具備超強的擴展性和適應性, 兼容60-120kW不同規格類型的充電模塊。

E-TRUCK MARKET



HK 2050 POPULARIZATION OF ELECTRIC VEHICLES

The Hong Kong government is determined to improve air quality and develop a smart city, while setting a goal of achieving carbon neutrality by 2050. To achieve these three goals, promoting the use of electric vehicles is a very important part.

The Hong Kong government has formulated the "Roadmap for the Popularization of Electric Vehicles" in 2021, comprehensively strengthening the promotion of the use of electric vehicles, and making preparations in all aspects to meet the new era of rapid and widespread use of electric vehicles in the society, and to move towards the realization of vehicles by 2050. zero emission.

To continuously improve roadside air quality, the Government launched an incentive and control scheme in October 2020 to phase out about 40,000 Euro IV diesel commercial vehicles, including goods vehicles, light buses and non-franchised buses, by the end of 2027.





KEY OF ELECTRIC VEHICLES IN HK

The Hong Kong government has formulated the "Roadmap for the Popularization of Electric Vehicles" in 2021, and has proposed many measures to comprehensively strengthen the promotion of the use of electric vehicles. The main focuses on commercial trams are: -

TAX BENEFITS

Electric commercial vehicles are exempted from the first 13% registration tax and profits tax deduction.

SUPPORT TECHNOLOGY DEVELOPMENT

The \$1.1 billion New Energy Transportation Fund supports trials and encourages the application of green transportation technologies, and expands the scope of the New Energy Transportation Fund to cover motorcycles and off-road vehicles.

FUNDS CONSULTANT:





NEW ENERGY TRANSPORTATION FUND

In Hong Kong, the transport sector, including road and marine transport, was the largest air pollution source in 2019. It accounted for about 46% of the local fine suspended particulates and 52% of nitrogen oxides. The sector is also responsible for about 18% of local greenhouse gas emissions. The exhaust emissions of motor vehicles are also the main cause of roadside air pollution.

To help improve air quality and reduce carbon emissions, thereby helping to avert global climate change, the Government put in place a \$300 million Pilot Green Transport Fund (PGTF) to subsidise the transport trade and charitable/non-profit making organisations to try out green innovative transport technologies in March 2011.

To further encourage trial and wider use of green innovative transport technologies, the Government injected additional \$800 million to the fund to extend its scope.





At present, Hong Kong has only one model of electric medium-sized goods vehicle for the time being, and it is being tested under the New Energy Transport Fund. In addition, under the Innovation and Technology Fund, the Hong Kong Productivity Council has also developed a 16-ton pure electric goods vehicle (scraper truck) for collecting and transporting recyclables, which will start in 2022 at the West New Territories Landfill for a period of 12 years. months of trials.



At present, the supply of electric truck models in the market is still very small, and the Hong Kong government has noticed that global vehicle manufacturers are expanding their product lines into this part of the market. The government will set up a fast charging network covering various districts to provide the corresponding infrastructure in preparation for the electrification of medium and heavy goods vehicles. The Government is also closely monitoring the development of various new energy vehicles, especially some heavy-duty transport vehicles and other zero-emission heavy-duty vehicles that require cross-border travel with the Mainland.

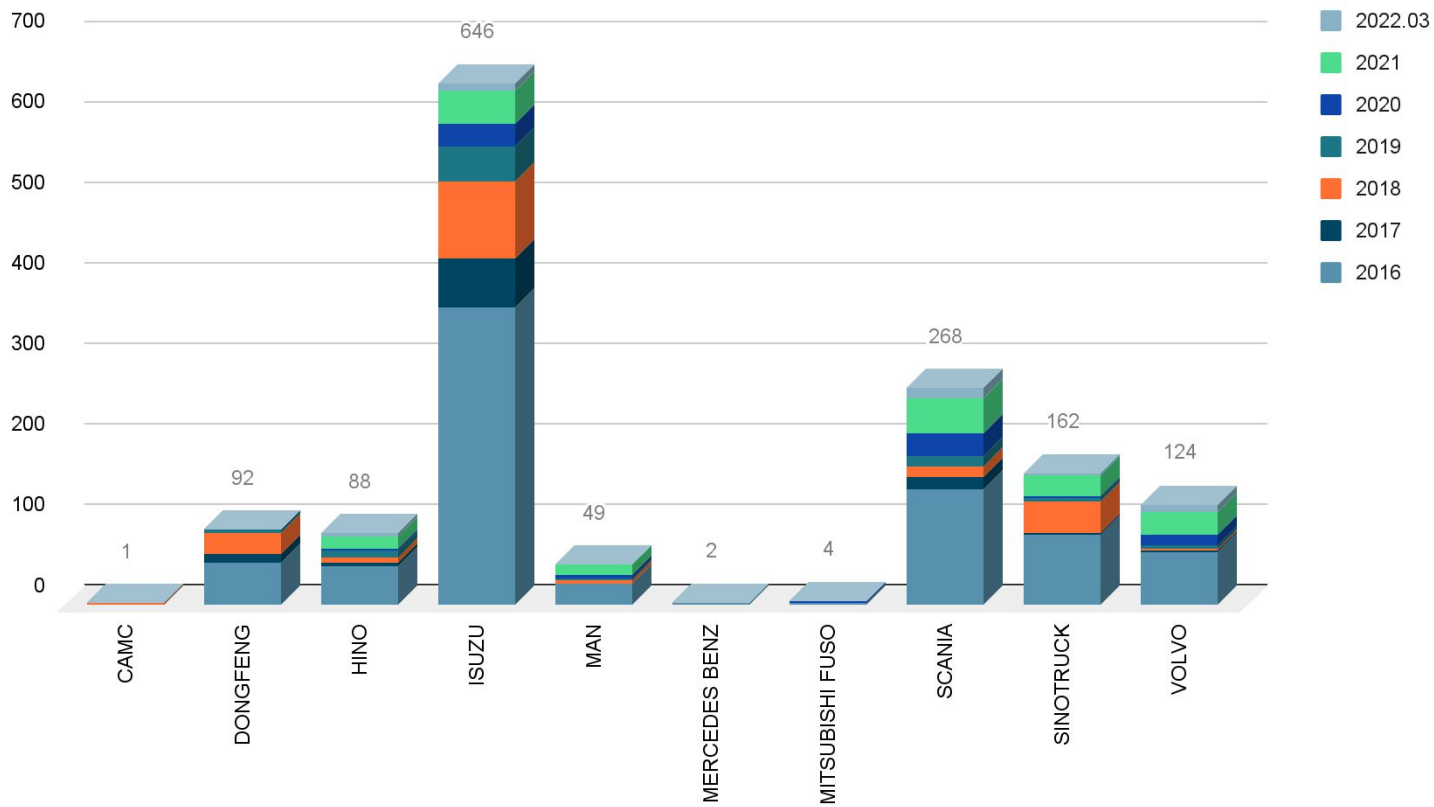
HONG KONG E-TRUCK MARKET



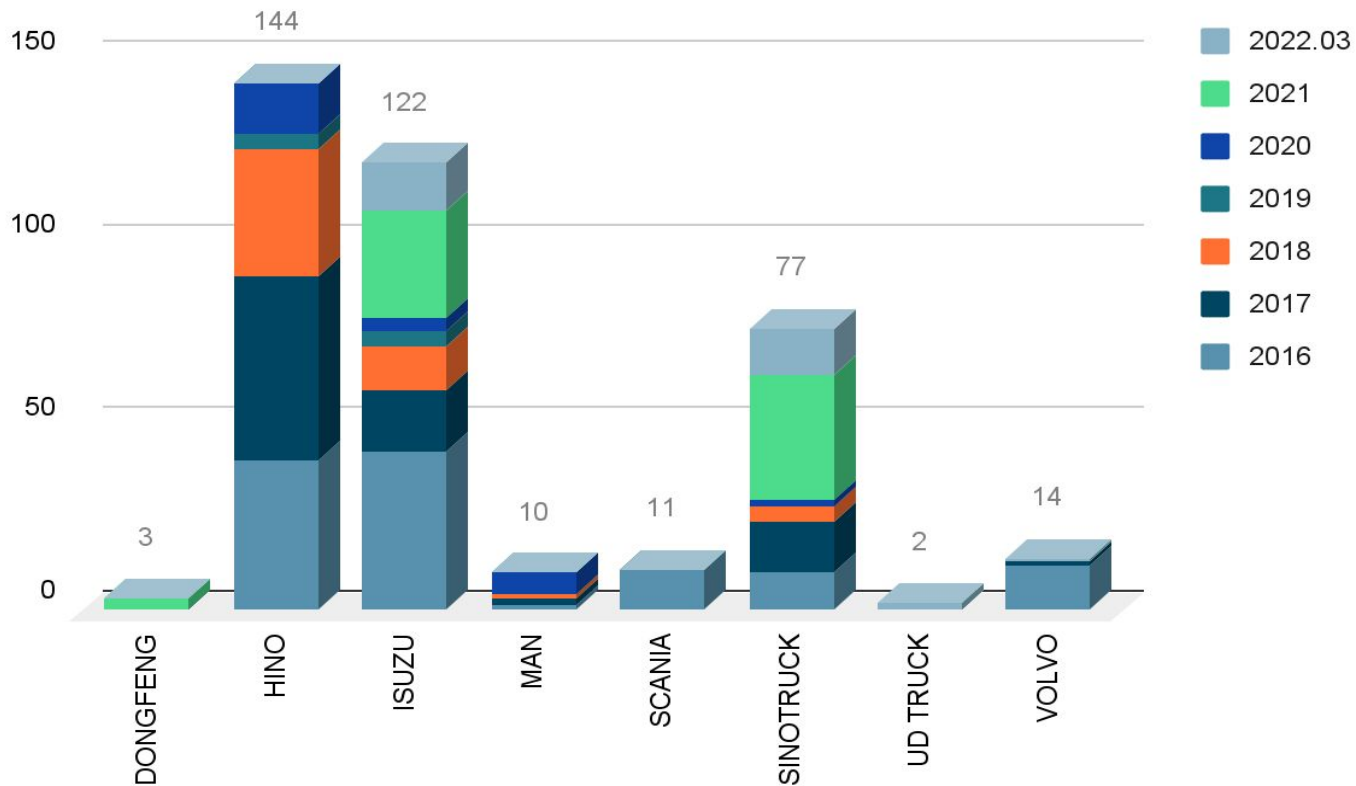
起卸斗貨車Tipper Maker														混凝土車Concrete Mixer													
		CAMC	DONGFENG^	HINO	ISUZU	MAN	MERCEDES BENZ	MITSUBISHI FUSO	SCANIA	SINOTRUK	UD TRUCK	VOLVO	TOTAL	DONGFENG^	HINO	ISUZU	MAN	MERCEDES BENZ	MITSUBISHI FUSO	SCANIA	SINOTRUK	UD TRUCK	VOLVO	TOTAL			
TOTAL	2022	0	0	4	8	0	0	0	13	2	0	9	36	0	0	13	0	0	0	0	13	2	1	29			
TOTAL	2021	0	0	14	43	12	0	1	43	25	0	28	166	3	0	29	0	0	0	0	34	0	0	66			
TOTAL	2020	0	0	4	28	5	0	1	28	3	0	13	82	0	14	4	6	0	0	0	2	0	0	26			
TOTAL	2019	0	4	8	42	3	0	0	14	4	0	5	80	0	4	4	0	0	0	0	0	0	0	8			
TOTAL	2018	1	26	6	96	3	0	0	11	39	0	3	184	0	35	12	1	0	0	0	4	0	0	52			
TOTAL	2017	0	12	6	92	3	0	0	18	10	0	4	145	0	50	17	2	0	0	0	14	0	1	84			
TOTAL	2016	0	10	5	60	0	1	0	16	3	0	2	97	0	41	43	1	0	0	11	10	0	12	118			
Brand Total		1	52	47	369	26	1	2	143	86	0	64	790	3	144	122	10	0	0	11	77	2	14	383			

According to the statistics of the first registration of heavy goods vehicles of the Hong Kong Transport Department (as of March 2016-2022), there are about 790 diesel dump trucks and 383 diesel mixers in total. Among them, ISUZU, SCANIA, VOLVO and SINOTRUCK are the main suppliers. In addition, as of April 2022, there are no first registration statistics for the electric heavy goods vehicle category.

重型柴油自卸车分布



重型柴油搅拌车分布





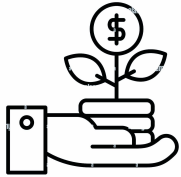
E-TRUCK PROGRAM



What is E-Truck Program?

The E-Truck Program is the most convenient and low-cost integration plan for buyers. Which is a one-stop sales service plan from the beginning of purchase to the final buyback or second-hand resale.

FINANCING



INSURANCE



LEASING



FUNDING



MAINTENANCE



RECYCLING



BUYBACK



RESALE





ELECTRIC VEHICLES

The E-Truck Leasing Program mainly includes 2 models - Electric Mixer and Electric Dump Truck. Both models are the brand “Foton” that our company represents.



SALES TARGET

According to the statistics of the Hong Kong Transport Department's first registration of heavy goods vehicles (as of March 2016-2022), there are about 790 diesel dump trucks and 383 diesel mixer trucks. In addition, as of April 2022, there are no first registration statistics for the electric heavy goods vehicle category.

With the Hong Kong government vigorously promoting the popularization of electric vehicles, it can be seen that the demand for electric heavy goods vehicles will increase day by day.

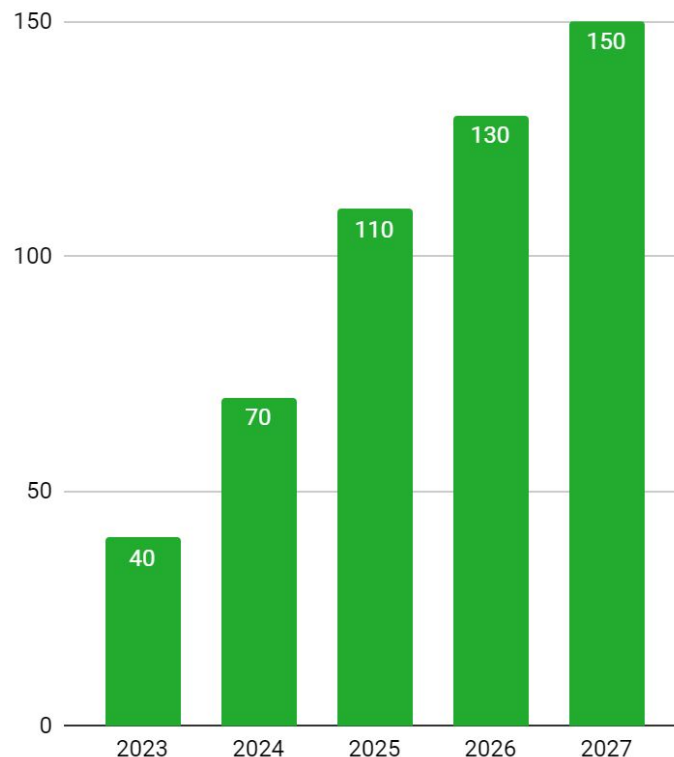
According to the future market demand, we have formulated a 3-year and 5-year sales target plan, increasing from 40 units in 2023 to 150 units in 2027, a total of 500 units.

A total of 390 electric dump trucks

A total of 110 electric mixer trucks

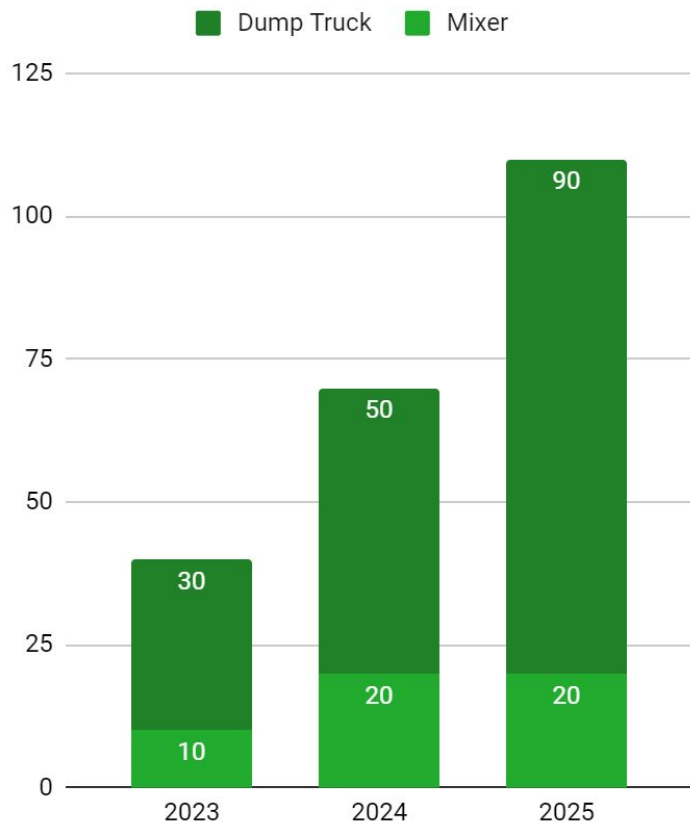
The total sales target represents about **42.6%** of the diesel heavy-duty vehicles on the market.

Total Sales Target

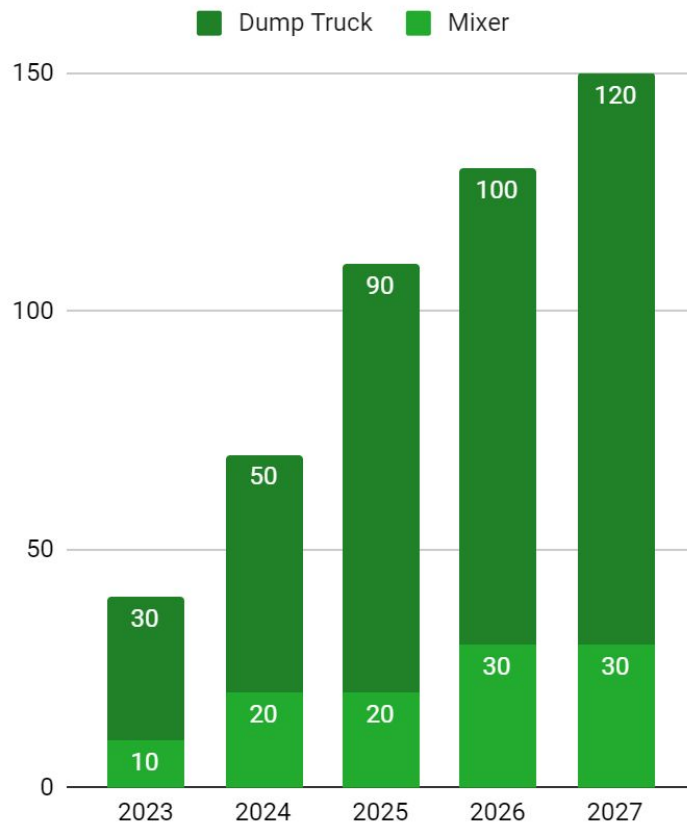




3 Years Sales Target



5 Years Sales Target





PROJECTED SALES TURNOVER

30T Dump Truck				Mixer		
	Selling Price (HKD,Million)	QTY	Amount (HKD, Million)	Selling Price (HKD, Million)	QTY	Amount (HKD, Million)
2023	1.28	30	38.40	0.98	10	9.80
2024	1.30	50	65.00	1.00	20	19.90
2025	1.32	90	118.80	1.01	20	20.20
2026	1.34	100	134.00	1.03	30	30.75
2027	1.36	120	163.20	1.04	30	31.20
		390	519.40		110	111.85

*All amount & % subject to final confirmation

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