



SINOTRUK Electric Light Trucks

中国重汽电动轻卡

SINOTRUK New Energy Light Truck Family 中国重汽新能源轻卡家族



C3H

C3



T3H

T3M

T3S

T2

M Series



Full Light Truck Application Solutions 全轻卡应用场景解决方案

Express & Fast Freight 快递快运



Urban Distribution & Trade 城配商贸



LTL Logistics 零担物流



Cold Chain 冷链运输



Full-Series Light Trucks, Full Model Coverage 全系列轻卡 全车型覆盖

Platform 平台	Mini Truck 小卡		Light Truck 轻卡				
Product Line 品系	T2	T3S	T3M	C3 (Classic Exterior 经典外饰)	C3 (NEV Exterior 新能源外饰)	T3H	C3H
Positioning 定位	Economy 经济型		Upper Mid-Range 中高端			Premium 高端	
Exterior 外饰							
Interior 内饰							
Steering 驾驶位	LHD 左	LHD 左	LHD/RHD 左/右	LHD/RHD 左/右	LHD/RHD 左/右	LHD/RHD 左/右	LHD/RHD 左/右
Cab Type 型式	Single Cab 单排	Single Cab 单排	Single / Extended Cab 单排/排半	Single / Extended Cab 单排/排半	Single / Extended Cab 单排/排半	Single / Extended Cab 单排/排半	Single / Extended Cab 单排/排半
Width 宽度	1750	1760	1880/2080	2080	2080	2100	2100

Note: T2 RHD is under development, expected by year-end; orders open in Q1 2027

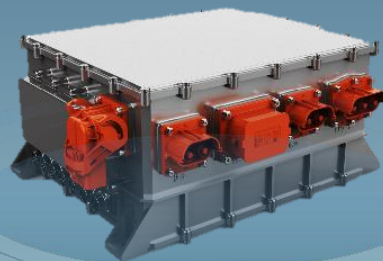
注：T2右舵正在开发中，预计年底完成，27年一季度接单

Golden Combination, Safe & Reliable 黄金组合 安全可靠



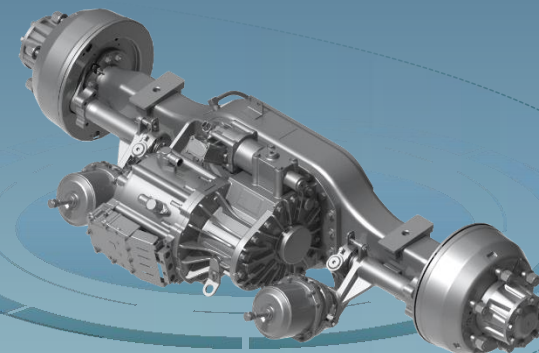
High-Performance Battery 高性能电池

IP68 protection rating, fully market-proven;
防护等级IP68, 经市场充分验证
Latest-generation battery technology, 2C charge/discharge rate;
最新一代电池技术, 2C充放电倍率;
Slow degradation, strong environmental adaptability;
衰减慢、环境适应性强;
Overseas after-sales capability available.
具备海外售后能力。



Highly Integrated Control System 高集成控制系统

Integrates MCU, PDU, DCAC and DCDC in one unit to meet multi-scenario needs;
集MCU、PDU、DCAC、DCDC功能于一体, 功能丰富满足多场景需求
High functional safety and cybersecurity;
高功能安全, 高网络安全;
Overseas after-sales capability available.
具备海外售后能力。

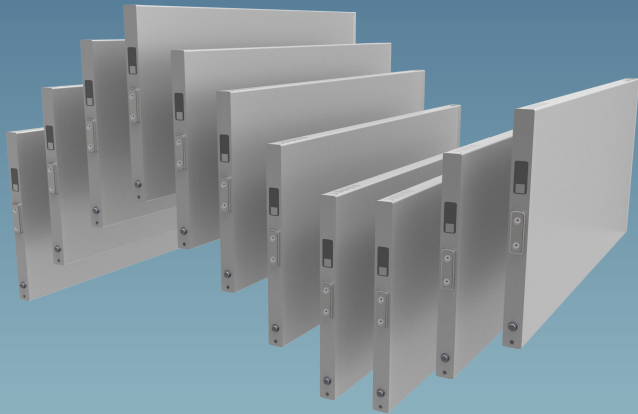


Highly Stable Electric Drive Axle 高稳定电驱桥

Comprehensive lineup covering most models and scenarios;
产品齐全, 覆盖绝大多数车型和场景;
High-efficiency flat-wire motor technology, fully market-proven;
高效扁线电机技术, 市场验证充分;
Long service intervals and maintenance-free wheel ends for easy upkeep;
长换油周期、轮边免维护, 维保便利;
Overseas after-sales capability available.
具备海外售后能力。

Multiple Advantages, Comprehensive Protection
多重优势 保驾护航

1. High Density: blade-cell structure with CTP technology for high volumetric and energy density;
高密度：刀片电芯结构配合CTP技术，体积密度和能量密度高；
2. High Performance: side-mounted electrodes with dual-layer cooling for faster heat dissipation and low temperature rise, ensuring high-rate charge/discharge;
高性能：电极侧置，上下双层冷却，散热更快，温升速度低，保障高倍率充放电性能；
3. High Safety: LFP chemistry with bend-free stacking for uniform electrode gaps; no explosion on nail penetration, no fire under crushing;
高安全：磷酸铁锂材质，配合叠片无折弯工艺，正负极间隙均匀，针刺不爆炸，挤压不起火；
4. High Reliability: high-strength alloy frame with anti-corrosion coating, passing the industry's most stringent tests for lasting durability;
高可靠：高强合金材质框架，专用防腐涂层，通过行业最严苛试验标准，经久耐用；
5. Wide Capacity Range: 65-200 kWh coverage to suit multiple models and all operating conditions.
电量配置丰富：电池资源覆盖65~200kWh，满足多车型、全工况用车场景。



Battery Model 电池型号	Pack Config 电箱组合	Layout 布置方式	Capacity/kWh 电量	Voltage/V 额定电压	Capacity/Ah 额定容量	Weight/kg 重量	Dimensions/mm 尺寸	Charge Rate 充电倍率	Thermal Mgmt.
L64	1P	Center-mounted 中置	64.58	371	174	407	1320×732×275	1C (Natural cooling) 2C (Liquid-cooling)	Natural / Liquid cooling 自冷/液冷 film / Liquid heating 加热膜/液热
L100B	1P	Center-mounted	100.22	576	174	625	2115×760×275	1C (Natural cooling) 2C (Liquid-cooling)	Natural / Liquid cooling 自冷/液冷 film / Liquid heating 加热膜/液热
N120	1P	Center-mounted	120.81	563	214.5	770	2141×785×334	2C	Liquid cooling / Liquid heating
N140	1P	Center-mounted	140.03	653	214.5	882	2410×785×334	2C	Liquid cooling / Liquid heating
N155	1P	Center-mounted	155.41	666	233.5	925	2410×785×334	2C	Liquid cooling / Liquid heating
2×B21	1P2S	Dual-pack side-mounted 双包侧置	150.83	614	245.5	970	1938×627×240	1C	Liquid cooling / Heating film
2×H87	1P2S	Dual-pack side-mounted	174.08	640	272	1024	2012×627×240	1C	Liquid cooling / Heating film
L180D02	2P1S	Dual-pack side-mounted	217.92	605.36	360	1482	1641×633×433	2C	Liquid cooling / Liquid heating

Multiple Charging Standards, Multiple Charging Modes 多种充电标准 多种充电方式

Charging Type 充电类型	China GB Standard 中国国标	US Standard 美标	EU Standard 欧标
AC Charging Connector AC 交流插座	GB/T2023.2-2015	SAEJ1772	Type 2 (IEC 62196-2)
			
DC Charging Connector DC 直流插座	GB/T2023.2-2015	CCS1	CCS2
			
Charging Socket 充电插座实物			
DC Charging Gun 直流充电枪			

Charging Options 充电选择

- Available charging standards:
GB, EU and US standards;

可选充电标准:

国标、欧标、美标;

- Available charging modes:
Single-gun fast charge, dual-gun fast charge, single-gun fast & slow charge

可选充电方式:

单枪快充、双枪快充、单枪快慢充

- Slow charging power:

≤80 kWh → 6.6 kW;

>80 kWh → 20 kW

慢充功率: ≤80度, 6.6kW; >80度, 20kW

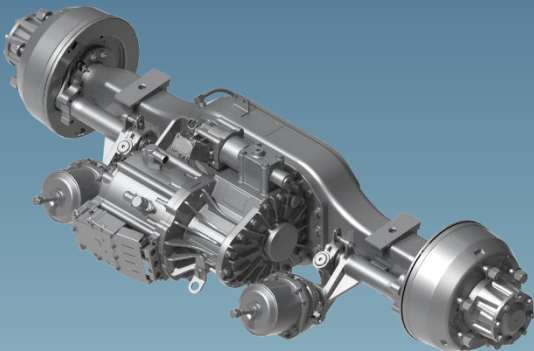
Product Introduction - Powertrain 动力链

WE AIM AT CUSTOMERS' SATISFACTION

SINOTRUK
中国重汽
Member of SDIC Group

E-Axle as Main Drive, Central Drive as Auxiliary 电驱桥为主 中央驱动为辅

Model 型号		3.5t E-Axle	5t E-Axle	6.5t E-Axle	8t E-Axle	Central Drive Motor
Platform 平台		V45	V60	V75	V95	V95+
Load 负载	GVW t	5	7.5	9.5	12	15
	Max. Payload (t) 最大轴荷	3.5	5	6.5	8	10
Dim. 尺寸	Face-to-Face (mm) 端面距	1653	1660	1660	1780	/
Drive 电机	Motor Power (kW) 功率	55/110	65/120	70/140	90/185	110/210
	Rated / Peak Torque (Nm) 扭矩	110/260	160/360	180/420	200/420	500/1100
	Gear Ratio 速比	16.04	16.193	16.193	AMT 25.03/11.47	AMT 6.61/3.52/1.89/1.00
	Max. Axle Output Torque (Nm) 轮端最大输出扭矩	4170	5800	6800	10000	/
	Peak Speed (rpm) 峰值转速	12000	12000	12000	12000	4500
Brakes 制动	Brake Specs (mm) 制动器尺寸	φ300×75 (Hydraulic)	φ310×100 Wedge Type	φ310×100 Wedge Type	φ310×100 Wedge Type	/
	Max. Brake Torque 最大制动力矩	10 MPa, 6000 Nm 15 MPa, 8400 Nm	1.0 MPa, 15000 Nm	0.85 MPa, 14800 Nm	0.85 MPa, 14800 Nm	/
Maint. 维保	Wheel End 轮端	Maintenance-Free Wheel End	Maintenance-Free Wheel End	Maintenance-Free Wheel End	Maintenance-Free Wheel End	/
	Oil Change Interval 换油周期	5 years / 300,000 km	5 years / 300,000 km	5 years / 300,000 km	5 years / 300,000 km	/



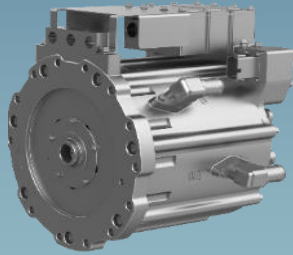
E-Axle Powertrain Assembly
电驱桥动力总成



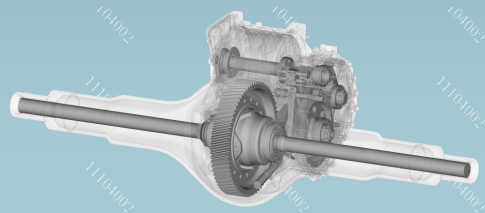
Central Drive Motor + AMT Gearbox
中央驱动电机+AMT变速箱

High Efficiency, High Reliability, Lightweight 高效率 高可靠 轻量化

**Transmission Efficiency 2-7% Higher
Than Comparable Products**
传动效率较同类产品高2~7%

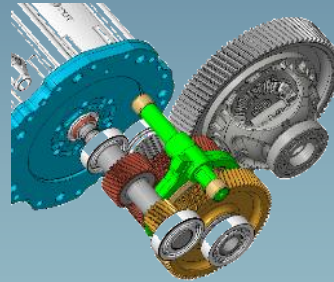


**Hairpin motor: over 90% of operation in
the 90%+ efficiency range**
扁线电机90%高效区占比90%以上



Low mechanical friction and oil-churning losses
低机械摩擦及搅油损失

**Strong Adaptability to Complex
Operating Conditions**
复杂工况超强适应性

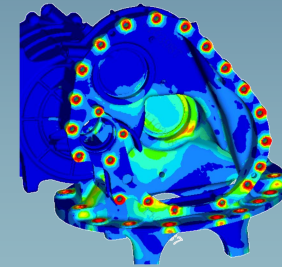


100% carburized, ground and shot-peened gears
Yield strength increased by 40%
齿轮100%渗碳、磨齿、强喷处理
屈服强度提升40%

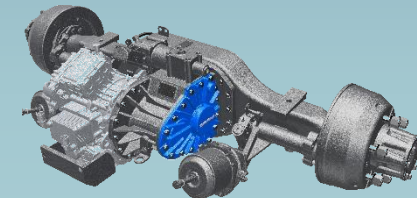


**1 million axle-housing fatigue cycles,
far above industry standards**
100万次桥壳疲劳远超行业标准

**Optimized Structure Reduces Weight
by 15-30 kg**
结构优化降重15~30kg



**Envelope housing design improves rigidity
while controlling weight**
包络式壳体设计，提升刚度同时控制重量

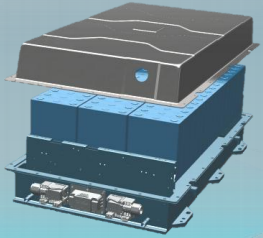


**Highly integrated motor and reducer reduce
redundant structures and connectors**
电机、减速器高度集成，减少冗余结构与连接件

Protection Upgrade, Confident Driving 防护升级 安心驾驶

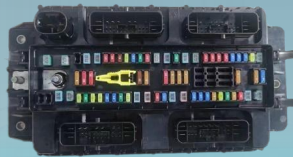
Upgraded Insulation Protection 绝缘防护升级
Wading Depth up to 0.5 m 可涉水达0.5米

**High-Voltage System
高压系统**



Battery, Motor & Controller
Protection Upgraded to IP68
电池、电机、电控防护升级IP68

**Low-Voltage System
低压系统**



Low-Voltage Distribution
Protection Upgraded to IP68
低压配电防护升级IP68



Note: GB 18384 electric vehicle safety requirements, wading test:
The vehicle shall drive in a 100 mm deep pool at 20 km/h for at least 500 m, lasting at least 1.5 min.

注: GB 18384电动汽车安全要求, 涉水测试:
车辆应在100mm深水池中, 以20km/h车速行驶至少500m, 时间1.5min。

Product Introduction - Adaptability 适应性

WE AIM AT CUSTOMERS' SATISFACTION

SINOTRUK
中国重汽

Member of SDHI Group

Reliable Quality, Extreme Validation 可靠品质 极致验证

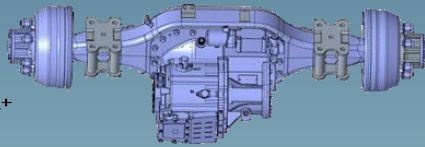
Chassis Protection

All-Round Physical Protection
底盘全方位物理防护



Integrated E-Axle

More Space-Saving, Higher Efficiency
集成式电驱桥空间更省，效率更高



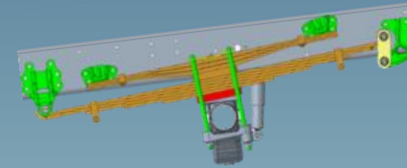
High-Strength Steel Straight Frame

Strong Load Capacity, Durable and Stable
高强钢直通大梁，承载强劲，持久稳定



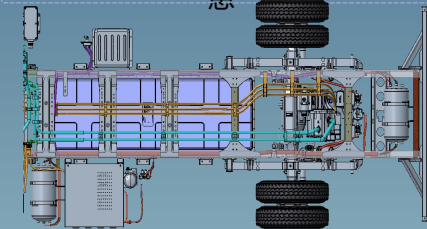
Reinforced Leaf Springs

Lightweight, Low Stress, Strong Load Capacity
加强型板簧，自重轻，应力低，承载强



Optimized Chassis Layout

Eliminates EMI and Heat Risks
优化布置，杜绝电磁干扰和热隐患



格尔木高原

海拔4768m

Golmud Plateau
Alt. 4,768 m

吐鲁番盆地

高温地带

Turpan Basin
High-Temp. Zone

黑河

-32°C 高寒验证

Heihe
-32°C Cold Validation

国家级试验室（济南）

National Test Lab
(Jinan)



The vehicle has completed high-temperature, high-cold and high-altitude tests to ensure environmental adaptability under extreme conditions; key assemblies have accumulated over 30,000 h of bench validation, reliability testing and durability testing.

车辆完成三高试验，保证整车在极端条件下的环境适应性；关键总成累积 > 30000h 台架验证、可靠性试验、耐久性试验

Pure Electric Light Truck Lineup 纯电动轻卡型谱

WE AIM AT CUSTOMERS' SATISFACTION



SINOTRUK

中国重汽

Member of SDIC Group

Platform	V45			V60			
Max. GVW (t)	5			7.5			
Max. Payload	3			4			
Series	T2E	T3SE	C3E	C3HE	T3HE	C3E	T3ME
Cab	1750 Medium Cab	1760 Narrow Cab	1880 Medium Cab (RHD)	2100 Wide Cab	2100 Wide Cab	2080 Wide Cab	1880 Medium / 2080 Wide Cab
Wheelbase (mm)	2800~3300			3360~3600			
Frame (mm)	160×760, 160×800			180×800			
Front Axle	2.5t (Hydraulic Brake)			3t (Air Brake)			
Drive Axle	3.5t single-speed E-axle (hydraulic brake) / 16.04			5t E-axle (air brake / hairpin motor) / 16.193			
Tires	6.50R16, 195R15, 215/75R16 (rear single tire optional)			7.00R16LT, 7.50R16LT			
Battery (kWh)	1× center pack: 64.58			1× center pack 2C: 100.22, 120.8, 140, 155 2× side pack 1C: 151			
Motor Rated / Peak Power (kW)	55/110			60/120			
Energy Consumption (kWh/100 km)	25-35			35-45			
Driving Range (km)	160-230			100.22 kWh: 200-255 km; 120.8 kWh: 240-310 km 140 kWh: 280-360 km; 151 kWh: 300-390 km; 155 kWh: 310-400 km			

Pure Electric Light Truck Lineup 纯电动轻卡型谱

WE AIM AT CUSTOMERS' SATISFACTION



Member of SAG Group

Platform	V75	V95	V95+
GVW (t)	9.5	12	15
Max Payload	6	8	11
Product Line	C3HE, T3HE, C3E, T3ME		
Cab	2100 Wide- width Cab, 2080 Wide- width Cab		
Wheelbase (mm)	3360~3800	3360~3800	3800~5600
Frame (mm)	180×800, 193×865	193×865	215×865, 250×865
Front Axle	3t (Air Brake)	4t (Air Brake)	5t (Air Brake)
Drive Axle	6.5t E-axle (air brake / hairpin motor) / 16.193)	8t E-axle (air brake / hairpin motor) / 25.03/11.7	11t
Tires	7.50R16, 215/75R17.5	7.50R16, 8.25R16, 235/75R17.5, 245/70R17.5, 245/70R19.5	9.00R20, 10.00R20, 11R22.5, 275/80R22.5
Battery (kWh)	1× center pack 2C: 100.22、120.8、140、155 2× side pack 1C: 151、174	1× center pack 2C: 120.8、140、155 2× side pack 1C: 151、174	2× side pack 2C: 218 2× side pack 1C: 174
Motor Rated / Peak Power (kW)	70/140	90/185	110/210
Energy Consumption (kWh/100km)	37-48	46-55	72-82
Driving Range (km)	100 kWh : 190-240km; 120 kWh : 225-290km; 140 kWh : 260-340km; 151kWh: 280-360km; 155kWh: 290-370km; 174kWh: 320-420	120 kWh : 200-240km; 140 kWh : 230-270km ; 151kWh: 245-295km; 155kWh: 255-305km; 174: 280-340km	174kWh: 190-220km 218kWh: 240-270km

Pure Electric Light Truck Lineup 纯电动轻卡型谱

WE AIM AT CUSTOMERS' SATISFACTION

SINOTRUK
中国重汽
Member of SDIC Group

ALL- NEW SMALL TRUCK T2E, T3SE 全新小卡T2E, T3SE

CUSTOMER SCENARIOS 客户场景

APPLICATION SCENARIOS

Urban- rural Trade 城乡商贸
General Cargo 散杂
Hardware & Building
Materials 五金建材

GVW

5t

ROAD CONDITIONS

Urban / Urban- rural
Roads
城市/城乡道路

HAULAGE DISTANCE

Single- trip: ≤200
km
单趟200km以内

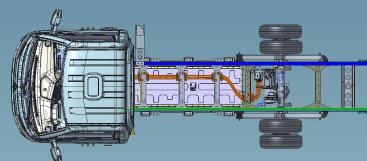
VEHICLE SPEED

50-60km/h

CUSTOMER CONCERNS

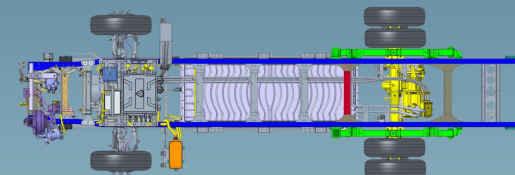
Driving Range 续航
Braking Safety 制动安全
High Reliability 高可靠性

PRODUCT VALUE 产品价值



PRODUCT VALUE 产品价值

- T2 1750mm & 1760mm small truck (V45 platform)
智相1750mm和地库1760mm小卡V45平台产品
- equipped with 64kWh low- voltage traction battery, focusing on cost- performance
匹配64kWh低电压平台动力电池, 主打性价比



CLIENT VALUE 客户价值

- All- new V45 small truck platform with lower purchase cost;
全新V45小卡平台, 购车成本更低;
- Garage- accessible, high power, efficiently covers moving, cargo;
下地库、大动力, 高效覆盖搬家、货拉拉等多场景需求;
- 3- ton E-axle for frequent start- stop urban delivery; plus low- drag design, achieves 200 km driving range.;
3吨集成式电驱桥, 城配等频繁启停工况, 叠加低风阻造型, 三电优化控制, 续航可达200km;
- 160×760 straight- through frame beam for high durability;
160x760直通梁, 结实抗造
- 110 kW peak motor power for strong power performance
电机峰值功率110kW, 动力强劲

LOW COST, EASY PARKING, PROFIT- GENERATING
成本低、好停车、能赚钱

Pure Electric Light Truck Lineup 纯电动轻卡型谱

WE AIM AT CUSTOMERS' SATISFACTION



100/120/140/155 kWh Super- charging Light- duty Truck 100/120/140/155度超充轻卡

CUSTOMER SCENARIOS 客户场景

APPLICATION SCENARIOS

Inter- city Logistics, Cold Chain, Pharma & Others

GVW

7.5-12t

ROAD CONDITIONS

Highways, National & Provincial Roads

HAULAGE DISTANCE

Single- trip: ≤300 km

VEHICLE SPEED

60-90km/h

CUSTOMER CONCERNS

Driving Range
High Payload Capacity
High Reliability



V75 Comprehensive Driving Range: 290- 370 km
Platform, 155 kWh Battery
V75平台, 155度大电量, 综合续航290-370km

- 2C- rate dual- gun direct charge, 18 min SOC 20- 80%
电池2C倍率双枪直充到80%, SOC从20→80%只需18分钟
- standard liquid cooling & heating,- 30~40°C operating temp, IP68, suitable for harsh conditions.
电池标配液冷+液热, 适应-30~40°C环境温度, IP68防护等级, 满足各种恶劣工况

Basic Info 基本信息	HOWO New- Energy Light Truck-C3HE、C3E、T3HE、T3ME							
	Platform	V60 GVW7.5t			V75 GVW9.5t		V95 GVW12t	
	Cab Type	1880	2080	2100	2080	2100	2080	2100
	Wheelbase mm	3360~3800						
Powertrain 动力链	Technical Route	Electric Drive Axle 电驱桥路线						
	Controller	SINOTRUK ALL- IN- ONE CONTROLLER 重汽多合一控制器						
	Battery Capacity kwh	2C: 100.22、120.8、140、155 1C: 151			2C: 100.22、120.8、140、155 1C: 151、174		2C: 120.8、140、155 1C: 151、174	
	Motor Power kw	60/120			70/140		90/185	
Load bearing 承载系	Rear Axle	5t E- Axle			6.5t E- Axle		8t E- Axle	
	Frame	180×800			180×800, 193×865		193×865	
Battery Thermal Management		Liquid Cooling & Heating 液冷&液热						
Braking Type		Air Brake; Standard: ABS, ASR, EPB; Optional: ABS+ESC						

SUITABLE FOR INTER- CITY, COLD- CHAIN, PHARMACEUTICAL & EXPRESS DELIVERY OPERATIONS
城际、冷链、医药、快运随便跑

Light-duty Truck with 174/218kWh Ultra-large-capacity Battery 174/218度超大电量轻卡

CUSTOMER SCENARIOS 客户场景

Application
Scenarios
应用场景

Urban Logistics, General
Heavy-duty Cargo
城市物流, 散杂重载

GVW

15t

Road
Conditions
路况

Urban Expressways
National Roads
城市快速路、国道

Haulage
Distance
运距

Single-trip ≤ 200 km
单趟200km以内

Vehicle
Speed

60-80km/h

Customer
Focus Points
用户关注

Driving Range, Power
Performance, Payload
Capacity, High Reliability
续航里程、动力性、承载力
高可靠性

PRODUCT VALUE 客户价值



V95+ platform, tailor-made for
heavy-duty users for trips above 200 km

V95+平台, 为200km以上重载客户量身打造

- Battery capacity over 200kWh, first-tier for light-duty trucks
电量突破200kWh, 轻卡行业第一梯队
- Standard liquid cooling & heating, $-30\sim 40^{\circ}\text{C}$ ambient temp, IP68, fits harsh conditions.
电池标配液冷+液热, 适应 $-30\sim 40^{\circ}\text{C}$ 环境温度, IP68防护等级, 满足各种恶劣工况

PRODUCT VALUE 产品价值

- Central-drive, 174/218kWh ultra-large-capacity battery options;
中央驱动174/218kWh超大电量组合
- 210kW high-power motor;
210kW大电机;
- 250×865mm frame beam ensures load-bearing stability.
250×865大梁, 保证承载稳定性

CLIENT VALUE 客户价值

- Superior Power: Max wheel-end torque 41890 N·m, easy start-up and climbing
超强动力: 轮端最大扭矩41890N·m, 起步爬坡毫无压力
- Better Long-haul Safety: Upper vision +17.4%, lower vision +9%, front blind-zone -12.4% vs mainstream competitors.
长途更安全: 上视野比主流竞品大17.4%, 下视野比主流竞品大9%, 前方盲区比主流竞品小12.4%
- Higher Load-bearing: One-piece stamped straight beam, excellent bending & shear resistance, 10-year deformation-free.
承载更强: 一次冲压成型的直通大梁, 抗弯、抗剪能力更强, 10年不变形
- Cage-type structure combined by battery frame & chassis for better battery safety.
电池框架与车架形成笼式结构, 电池更安全
- NEV-specific central-drive rear axle: high load-bearing, long service life.
新能源专用中央驱动后桥, 强承载、长寿命
- High-wear-resistant compound tires for long durability.
高耐磨轮胎: 选用高耐磨配方, 轮胎经久耐用

HEAVY-DUTY CAPACITY & LONG RANGE, WORRY-FREE OPERATION 重载长续航无忧

THANKS