

SAGMOTO

i9			
Drive type		4×2	
Kerb weight		3250	
Main Configuration			
Cab	Width	2020	
Drive Assembly	Brand	Inovance65kw/120kw	
	Model	Hair-pin motor + 3rd generation Inovance controller	
Power Battery	Brand	CATL	
	Model	86.55kWh/260KM	100.46Kw/300KM
Axle	Brand	HANDE	
	Model	Front 2.2t Rear 3.5t (rated payload capacity 5 tons) Hande Integrated Electric Drive Axle	
Wheelbase	Length(mm)	3360	
Ground clearance	Dimension(mm)	400 (Empty Vehicle), 320(With Payload)	
Frame	Dimension(mm)	180mm/4.5mm Parallel Single Layer	
Suspension	Dimension(mm)	Suspension system - Spring: K6 70 wide, 3/3+2, K8 70 wide, 3/5+2, K8(heavy load) 70 wide, 3/8+6K10 70 wide, 3/8+6	
Tyre	Type	7.00R16/8PR	
Charging time		Replenish: 20%-80% (40min)	Charge: 10%-100%(1h)
Specification			
Peak power/horsepower		65/120/163	
Maximum Speed (km/h)		100km/h (6T)	
Cruise Distance (4T cargo payload)		≥3.36km/kWh	
Max Gradeability		≥20%	
Charging Performance		Direct current: 30kWh/60kWh/120kWh/180 kWh Charging Time: 4h/2h/1h/40min	
Up body	4200×2100×2100/van		
	4180×2100×400/stake		
	4180×2100×400/flat bed		
	4080×2100×2100/refrigerate		
Other configurations			
Standard Configuration(High deflector optional), Aluminum Alloy Underrun Protection, Power Steering, Mechanical Seats(Upgraded), Safety Belt Alarm, Central Locking(1 Central key + 2 Mechanical keys), Pole-shaped review mirror, ABS Domestic Four Channel ABS, (6t) Optional: Disc front axle, EPB+ESP+EBS, air horn			

SAGMOTO pursues an active policy of product development and improvement. For this reason, Sagmoto reserves the right to make changes relating to design and specification, its products and services and any information without prior notice. For further information in these respects, please contact your local dealer or visit www.sagmoto.com.



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 **SAG INTL**

SAGMOTO

19 ELECTRIC LIGHT TRUCK

Making favorite & reliable trucks



NEW PRODUCT IMAGE

- The overall shape design is intelligent and avant-garde, applying simple and efficient technology.
- I9 series electric light truck comprehensively meets the needs of market segments such as express delivery, supermarket distribution, less-than-truckload (LTL), cold chain, etc.
- We are dedicated to develop a new product with long cruise distance, long warranty, satisfactory payload, and optimized safety.



- Integrated front mask, parametric grille, bionic bumper and other new design applications make the vehicle more intelligent and concise.

- Cab crash performance meets the demanding ECE_R29 crash requirements.



- large volume deflector, vehicle wind resistance 0.48.
- The optional LED daytime running lamps, eagle eye blackened fashion model.
- Integral electric heating rearview mirror, ultra-narrow frame, larger area.

NEW CAB STRUCTURE



- The vehicle uses ergonomic design seats and excellent sound insulation and noise reduction technology to provide a more comfortable riding environment for drivers and passengers.



- Main driver airbag seat, multi-function steering wheel cruise, knob shift, automatic constant temperature air conditioning, 7 inch color LCD exclusive instrument, 10 inch multimedia control screen with reverse image and other mainstream configuration full, comparable to the passenger car driving experience.

TOP THREE POWER SYSTEM APPLICATIONS, ACHIEVING LONGER ENDURANCE



- High energy density battery: equipped with CATL 86.55kWh/100.46kWh lithium iron phosphate (LFP) battery (range), high-efficiency cycle system, strong attenuation resistance; Under the same volume, the battery has a higher charge, higher safety, and longer cycle life.

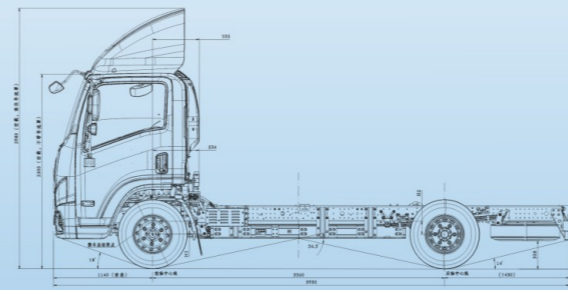


- Upgraded hair-pin motor: The rated torque of the motor is 160N. m, and the peak torque is 360N. m. Under comprehensive operating conditions, the energy consumption is reduced by 5%, and the motor is basically in high-efficiency.

- Customized integrated controller: higher power density, higher cost-effectiveness, and higher reliability;

- Integrated electric driving axle: no transmission axle and gearbox losses, higher motor conversion efficiency, and lower overall vehicle energy consumption.

- Intelligent regenerative braking energy recovery: Recycling energy released by the vehicle during braking or generated by inertia, and converting it into electrical energy through generator, which is then stored in a battery for vehicle operation. Under urban driving conditions with frequent braking and starting, braking energy recovery can reduce energy consumption by approximately 15% and extend vehicle cruise distance by 10% to 30%.

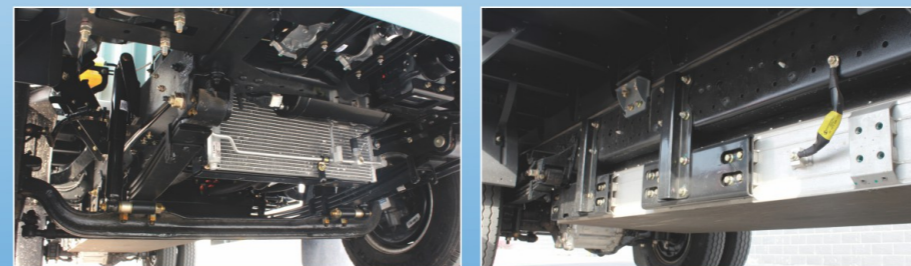


- It adopts the brand-new adjustable chassis structure, with a wheelbase of 3360mm, which provides a stable and flexible driving foundation for the vehicle, so that it can show excellent performance under different road conditions and load-carrying requirements.

- At the same time, it provides two suspension configurations of 3/3+2 and 3/5+2, providing more diversified choices.

- 180 through frame assembly + partial reinforcement: make the whole vehicle loading capacity stronger.

LOWER MAINTENANCE COSTS



Long maintenance unit

Main gear reduction oil change 5 years / 300000 km (up to 5 years / 500000 km.)

The longest replacement mileage of long-acting formula brake shoes is 400,000 kilometers.

Long warranty unit

Integrated controller maximum warranty 6 years / 300,000 km.

Power battery warranty 8 years / 400,000km.

The drive motor has a maximum warranty of 6 years / 300,000 km.

Maintenance-free unit

Steering gear lifetime maintenance free, steering rod maintenance free.

Front axle wheel end.

Steering knuckle, kingpin maintenance free Drive axle wheel end and brake floor are maintenance-free.

- The i9 also performs well in terms of security. The vehicle adopts multiple safety protection measures, the height of the battery pack above the ground is > 400mm, the protection level of key components is IP68, dustproof and waterproof, and the normal use of -30~60°C environment. At the same time after high temperature, rain, electric shock and other safety tests. In addition, it is also equipped with a number of active safety configurations, and the application of intelligent active safety technology to prevent sliding slope, prevent misstepping, creep function, parking safety guarantee and other ways to ensure vehicle safety.

• HIGH-VOLTAGE INTERLOCK

The development of primary and secondary interlock functions ensures that the normal operation of the vehicle is not affected when a failure occurs in the secondary interlock.

• HIGH EFFICIENCY

Customized calibration of working conditions strategy, according to different customer scenarios of urban working conditions and high-speed working conditions, the customized calibration strategy of market segmentation working conditions is more efficient.

Low Voltage Battery Intelligent Recharge: After the vehicle is turned off, it continuously or periodically wakes up to detect the voltage of the low voltage battery. When it is below the undervoltage protection threshold, it intelligently starts DCDC to recharge the vehicle battery.

• AEB (AUTOMATIC EMERGENCY BRAKING)

Through image recognition and microwave detection target fusion, real-time monitoring of vehicle and road conditions, automatic emergency braking when necessary, can avoid or reduce collision accidents.

• FCW (FORWARD COLLISION WARNING)

Real-time monitoring of the conditions of the road and vehicles ahead, predicting possible collision hazards, providing early warning for drivers, and improving the active safety of vehicles.

• PCW (PEDESTRIAN COLLISION WARNING)

Detect the pedestrians in front of the vehicle and send alarm information to the driver according to the vehicle speed and target distance information to avoid pedestrian collision accidents.

• LDW (LANE DEPARTURE WARNING)

When the vehicle is about to deviate from the lane, the system can make the driver control the vehicle in time through early warning to improve driving safety.

• TSR (INTELLIGENT TRAFFIC SIGN RECOGNITION)

Based on image identification deep learning technology, traffic speed limit signs can be identified and reminded, which can effectively avoid vehicle speeding violations.

• IHBC (INTELLIGENT HIGH BEAM ASSIST)

Based on scene recognition and light detection technology, the road scene can be identified and the near and far light can be automatically switched, which can effectively reduce the driver's operating fatigue.

• TOP LEVEL THREE ELECTRIC SYSTEM

Electronic parking, liquid-filled suspension, electric power steering, electric power braking.

• 45W FAST CHARGING

EM driver + LPS driver + KM1 driver + DCDC+ High voltage bin (electric defrost, electric heating, electric air conditioning end).

