



SDLG machines are built to be like the people that own them: hardworking, genuine and reliable. Cost effective, robust machines with fuel efficient engines that are easy to operate and easy to maintain. And when you need parts or service, you can trust your dealership to deliver on the SDLG promise:

Reliability in Action.



Congratulations SDLG for winning
EFQM Global Excellence Award
One of the top three quality awards in the world

Shandong Lingong Construction Machinery Co., Ltd.

Add: Lingong Industry Park, Economic Development Zone, Linyi, Shandong, P. R. C.
Tel: 0086-531-66590505 Fax: 0086-531-66590505 E-mail: export@sdlg.com

Reliability in Action



L956Hv
Electric Wheel Loader



Energy saving, high efficiency and reliable quality

L956HEV, a 5T electric loader built by SDLG based on its mature platform and the high-quality EIC resources in the industry through meticulous adjustment, enjoys reasonable performance matching and high operation comfort; zero emission, low noise and immunity to the low oxygen content environment in the plateau; the stability and reliability of traditional loaders and the fast response speed of electric loaders, as well as high production efficiency; its bucket takes a structure with superhigh strength, which is durable and easy to be fulfilled.



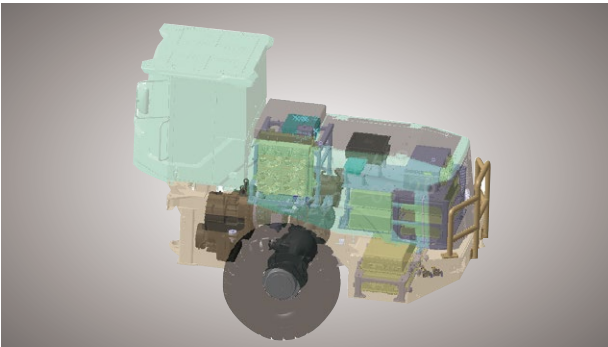
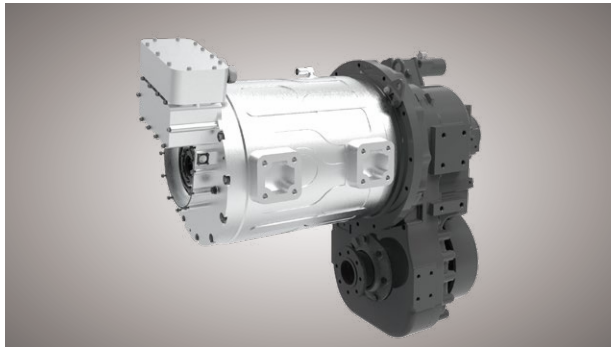
Mature platform

- ◆ The platform is characterized by box-type frame, long-span articulation and medium/long wheelbase, allowing for reasonable load distribution and high stability; the articulation is adopted with the combination of joint bearing and tapered roller bearing as well as a new sealing design, enabling higher reliability and longer service life.
- ◆ The hydraulic cylinder of unified type and reinforced design is adopted. On the hydraulic cylinder, imported high-end seals and wide guide belts are adopted to prevent leakage and cylinder scuffing and improve the design life; the joints and pipeline connections are equipped with the 24° cone seal to eliminate leakage; the routing of hydraulic pipelines is optimized to reduce pipeline wear and interference, and improve reliability.
- ◆ The comprehensive application of lightweight and high-strength technologies optimizes working devices, with strength improved and weight reduced.
- ◆ The reinforced drive axle and reinforced drive shaft self-made by SDLG are adopted, the transmission parts are strengthened with new technology to optimize the transmission ratio, making the machine more suitable for heavy load conditions.
- ◆ The parking brake system consists of brand-new drum-type brake with high braking torque, and the brake shoe is built in the brake, reducing the influence by mud and water, and making braking safe and reliable; the service brake system is fully hydraulic with imported braking components adopted and braking air source management system optimized, reducing damage by heat source, and making braking safe and reliable.
- ◆ The harnesses are designed with waterproof, dustproof and anti-looseness means, and the connectors are fixed nearby to improve reliability and safety; the headlamp holder is adopted with vibration damping measures to reduce the damage of machine to the headlamp.



Reliable components

- ◆ **Battery:** The advanced lithium battery technology is adopted, which has large unit energy density, and enjoys obvious advantages in capacity, safety, charge/discharge and battery life.
- ◆ **Motor:** A permanent magnet synchronous motor of variable frequency and variable speed type is adopted, which features high power, high reliability and long service life.
- ◆ **Electronic control:** The electronic control platform is reasonably constructed with a high degree of autonomy and precise control, and it allows for secondary setting and calibration according to customer needs.
- ◆ **Electric drive unit (EDU):** The independently developed EDU is adopted, optimizing the power transmission route of the electric loader, and enabling good machine power performance, fast acceleration and quick response; in addition, the EDU features continuously variable speed change and automatic gearshifting, making the operation easy and comfortable.
- ◆ **Lighting system:** All lamps of the vehicle are of LED type.
- ◆ **Cables:** Cables of well-known brands in the industry with good wear resistance, favorable wear resistance and long service life are used.





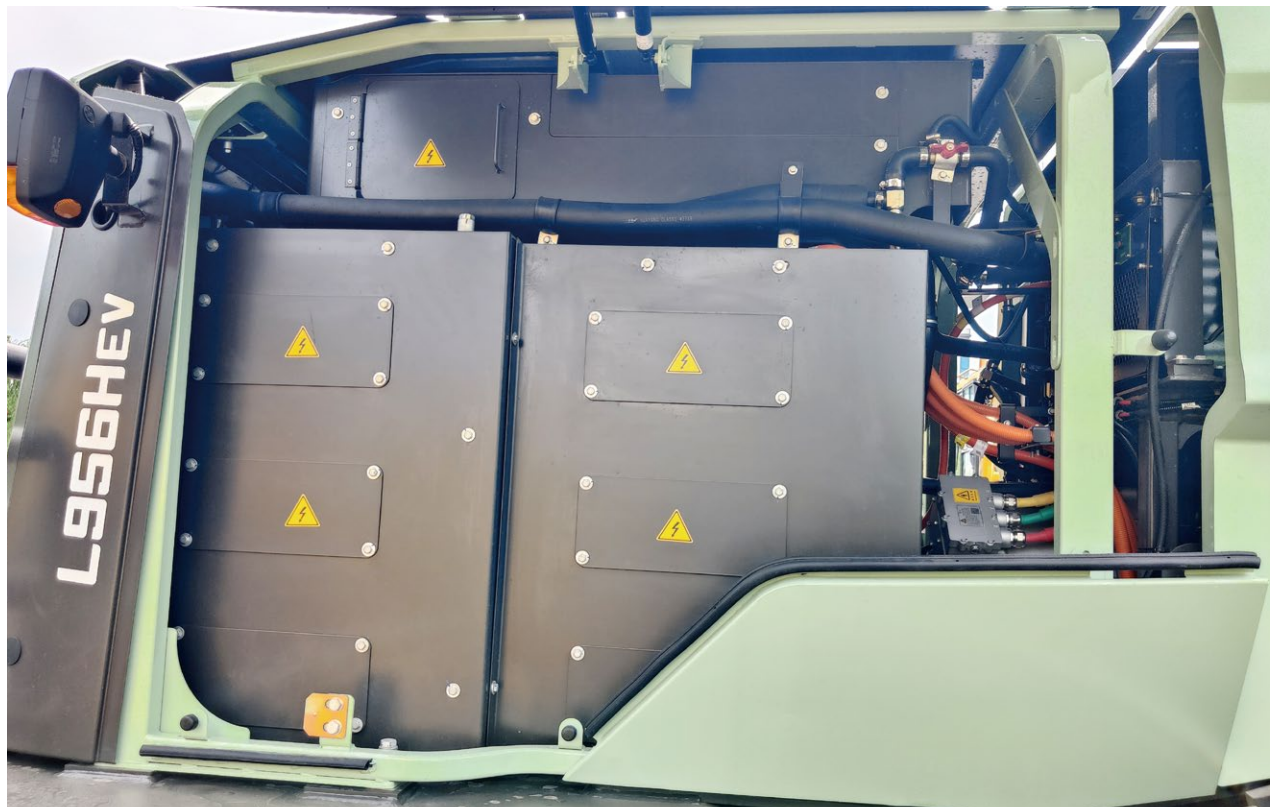
Smart & comfortable

- ◆ An intelligent control system of deep learning is adopted, which can automatically adjust the power output according to load, vehicle speed and other conditions of the machine, making the machine operation easy and comfortable, and enabling good power performance, small impact and high operating efficiency.
- ◆ SDLG thermal management system: a thermal management system is equipped for the battery, motor and ECU, enabling the machine to work normally under different ambient temperatures and load conditions; the thermal management system is highly intelligent, specifically, it can intelligently adjust the cooling power according to the amount of heat generated to ensure the safety and reliability of the system.
- ◆ The SDLG H-generation cab of ergonomic design is adopted, which features reasonable button layout, large space and good vision; and is equipped with high-grade suspension seat adjustable from multiple angles and dimensions; adjustable steering column, beverage refrigerator compartment and HVAC, allowing for a good driving comfort.
- ◆ The machine is adopted with a 7-inch LCD, which transmits message via bus and can display a lot of information of the machine; it also features bus A/V and Keypad virtual operation, ensuring high human-machine interaction.



Convenient maintenance

- ◆ The machine is designed with a large-opening hood with side door and tail door openable, making the inspection and maintenance of the motor, battery, ECU, hydraulic system and other systems convenient.
- ◆ The lubricating points of the machine are led out, and an automatic centralized lubrication system can be installed as option, reducing the labor intensity of the driver and making daily maintenance easier.
- ◆ **General parts:** The CAST design concept is adopted, and many assemblies are exchangeable with those of other models. The cylinders are unified in design and adopted with seals of high generality, facilitating the storage and maintenance of parts.
- ◆ **Central control:** The electrical system is adopted with the centralized control mode, with the fuses and relays installed in a centralized control box, making maintenance and inspection convenient; the instrument panel can accurately read the DTCs and display the fault information on the LCD, making maintenance convenient; a standard data link connector is equipped for the testing and maintenance of electrical components.



L956H_{EV} Top Service



EXPERT



FAST



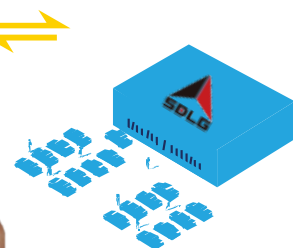
CARE

SDLG dedicated to provide excellent service experience

Customer Enquiry



Service Station



SDLG System Support

L@M
Parts Catalog &shopping trolley ,
Technical Files and TSB, PMI

OLDP
Warranty Information
feedback and Spare parts sale

3D
Training System ,Structure
and working principle animation

Fast Service



Customer Call



Field service work order



Technician Arrived site



Calling for Feedback



Customer Verify



Field Service



Uncomplete order follow-up



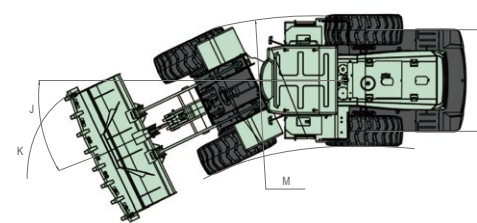
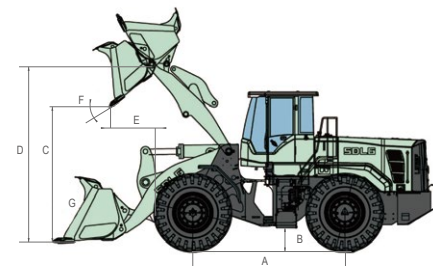
PMM



Complaint Management

Standardized Service Process

L956H_{EV} Main parameters



Item	Specifications
Overall dimension	
LxWxH	9160×3016×3460(STD Boom) mm 8770×3016×3460(Extended boom) mm
Wheel base (A)	3400mm
Min, ground clearance (B)	435mm
Max. dumping height (C)	3060 (STD Boom) mm 3380 (Extended boom) mm
Dumping distance (E)	1230 (STD Boom) mm 1280 (Extended boom) mm
Dumping angle (F)	-45°
Track width (I)	2250mm
Horizontal crossing radius (outside of bucket)(K)	7400mm
Min, turning radius (outside of rear wheel) (M)	6360mm
ELC system	
Type of battery	Lithium iron phosphate battery
Battery capacity	282 kW·h/350kW.h
Battery voltage	618V/579V
Charging method	DC charging
Battery life	4-6h/5-7h
Drive hydraulic system	
Rated power of drive motor	125kW
Rated torque of drive motor	1200Nm
Peak power of drive motor	240kW
Peak torque of drive motor	2600Nm
Type of transmission	Planetary gearshift transmission
Gears	F2 & R1
Working pressure	1.5MPa
Type of final drive	Single-reduction helical bevel gear
Type of wheel reducer	Single-reduction planetary gear
Drive mode	All-time four-wheel drive

Item	Specifications
Overall parameter	
Standard bucket capacity	3.6(2.7-5.0)m ³
Rated load	5800kg
Gross mass	19000 19500 (STD Boom) mm 19100 19600 (Extended boom) mm
Max. tractive force	175 (STD Boom) mm 170 (Extended boom) mm
Max. breakout force	>170kN
Tipping load	>110kN
Hydraulic system of working device	
Type	Hydraulic pilot control
Total cycle time (bucket lift & dump & fall)	<9.6
System pressure	21Mpa
Braking system	
Type of service brake	Full hydraulic brake
Type of parking brake	Hand brake
Steering system	
Type	Load sensing full hydraulic articulated steering
System pressure	16MPa
Refilling capacity	
Hydraulic oil	240L
Battery cooling	20L
Motor cooling	25L
Front /rear axle	30/26L
Travel gearbox	45L
Superstructure tank	6L

*The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change,illustrations in the text may not always be the standard illustrations for this model.