

E660H^{EV} Configuration

Standard Configuration	Option Equipment
CATL Battery	GP Bucket 0.16/0.2/0.22/0.23m³ (Earth-Moving)
Standard Arm	GP Bucket 0.18m³ (Heavy Materials)
Pilot Control & Load Sensing	Specialized Bucket 0.1m³×450 (Trenching)
Hydraulic Driving	Specialized Bucket 0.11m³×400 (Heavy Materials)
Standard CAB (With Air Conditioner)	Hammer φ68
GP Bucket 0.21m³	Integrated DC Charging Pile (40/80/120/240/320/360kW)
Dozer Blade	
GPS	

*SDLG reserves the right to change specifications and materials at any time without prior notification. Features of the machine in photos may include additional equipment.If you need more information and available options, please contact your local distributor or SDLG.



Congratulations to SDLG on winning
the EFQM Global Excellence Award
One of the world's top three quality awards



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Reliability in Action



E660H^{EV}

Electric Excavator



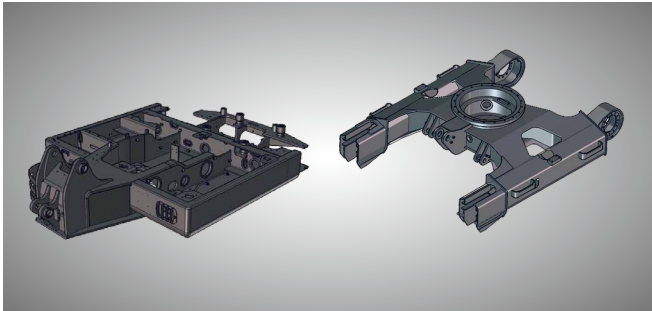
Electric System with High Reliability

- ◆ High-performance lithium iron phosphate batteries are configured. They have good thermal stability and a longer cycle life. The installation method of a base plate+shock absorber is adopted to enhance the safety and reliability of the battery during operation.
- ◆ A large-torque permanent-magnet synchronous motor is configured, providing strong power and rapid response. An MS shock absorber is used to reduce the vibration during motor start-stop.
- ◆ An independently developed controller is used to monitor the operating status of the entire machine in real-time, optimize power distribution, and improve cruising-range capabilities.
- ◆ The load-sensitive hydraulic system enables sensitive, precise, and fast action control. It has good coordination for compound actions, is easy to operate, and ensures high work efficiency.



Reinforced Structural Design with High Reliability

- ◆ The upper and lower frame structures are strengthened. The structure is compact and rigid, with even load distribution, small deformation, large load-bearing capacity, and high reliability.
- ◆ The high-strength slewing platform has strong impact-resistance.
- ◆ A mature four-wheel-one-belt system is configured, featuring large load-bearing capacity, wear-resistance, and high reliability.
- ◆ The working device uses high-tensile-strength steel plates. Forged parts are used at the shaft seat, and large-cross-section diaphragms are added and welded in the middle. Welding is done by robots, and the welds are inspected by flaw detectors, ensuring reliability and durability.



Multiple Protections for Safety Assurance

- ◆ High-flame-retardant and IP67-rated wire harnesses are used to connect each controller with the battery and motor, providing a high-level of protection.
- ◆ The entire machine is equipped with an insulation detection function. In case of a leakage fault, the main power supply is immediately cut off to ensure vehicle electrical safety.
- ◆ Different controllers are arranged in layers, and low-voltage and high-voltage wires are separately distributed to reduce mutual interference and enhance maintenance safety.
- ◆ The entire vehicle is equipped with high-voltage interlocks and charging safety detection functions to ensure the safety of both the machine and personnel, eliminating potential concerns.

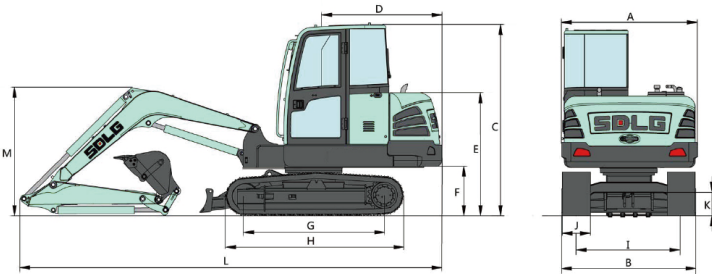


Reasonable Layout and Easy Maintenance

- ◆ The front windshield is fully tempered, and a skylight is equipped, making the interior spacious and bright. The left-rear corner features arc-shaped glass, providing a wider rear-view.
- ◆ A conspicuous color monitor is installed to constantly monitor the machine's operating status. The convenient pilot control levers and control switches are within easy reach, ensuring smooth operation.
- ◆ The large-opening engine hood offers ample space for maintenance. The power battery is located at the rear and is installed in a detachable frame, enhancing maintenance convenience.



E660HEV
Main parmeters



Item	Parameter	Item	Parameter	Item	Parameter
Overall Parameters		Rear slewing radius (mm)	1820	Number of carrier roller (one side)	1
Bucket capacity (m³)	0.21	Ground clearance of upper assembly (mm)	730	Number of supporting wheel (one side)	5
Operating Weight (kg)	6150	wheelbase (mm)	1990	Type of travel brake	Wet disc
Maximum digging force (kN)	45	Overall track length (mm)	2540	Slewing type	Hydraulic internal-tooth single-row ball bearing
Slewing speed (r/min)	11	Wheel track (mm)	1540	Type of slewing brake	Wet disc
Traveling speed (low/high) (km/h)	2.4/4.8	Track Width (mm)	400	Hydraulic System	
Maximum digging radius (mm)	5990	Minimum ground clearance (mm)	367	Hydraulic control type	Pilot-actuated proportional control
Maximum digging depth (mm)	3846	Driving System		Hydraulic System Type	Load-sensing control system
Maximum digging height (mm)	5743	Rated motor power (KW)	34	Maximum flow rate (L/min)	126
Maximum discharge height (mm)	4163	Battery capacity (kw.h)	90.24	Service Capacities	
Boom length (mm)	3030	Voltage (v)	521.64	Hydraulic oil (L)	50(Tank)+100(System)
Arm length (mm)	1540	Charging time (h)	1(Single-port DC fast charging)	Oil filling amount of walking reducer (L)	2×1.3
Overall Dimensions		Battery endurance life (h)	4~6	Oil filling amount of rotary reducer (L)	1.2
Length×Width×Height (mm)	6098×1940×2660	Travelling System & Slewing System		Antifreeze coolant (L)	10