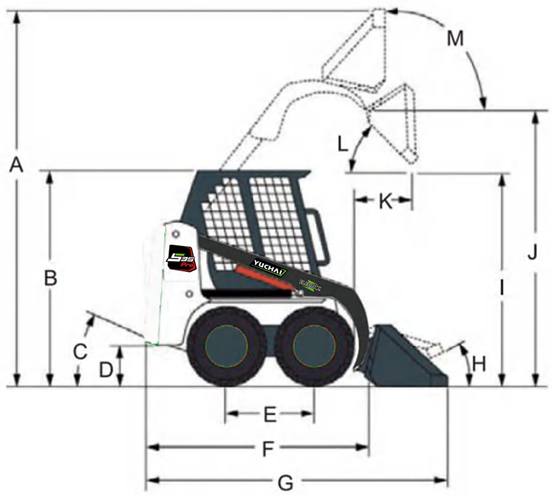

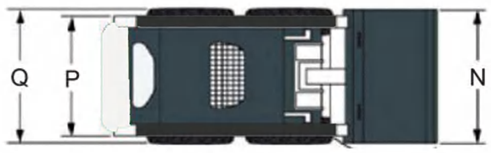

S35 Performance Parameters

Basic parameters	S35Pro I S35Max
Machine Weight	1540 kg I 1620 kg
Bucket capacity	0.29 m^3
Bucket width	1126 mm
Technical Specification	
Battery	Lithium Iron Phosphate
Rated power	9/3150+4×2/3500 kW/rpm
Max. torque/speed	70N・m/1500+4×36.8N・m/995 rpm
Battery capacity	21.3 kW・h I 29.17 kW・h
Rated Operating Load	350 kg
Tipping Load	680 kg
System working pressure	20.5 Mpa
Flow Rate	33.7 L/min
Boom Breakout Force	8 kN
Bucket Breakout Force	9 kN
Max. travel speed(low gear)	0～10.5 km/h
Fast charge	1.5 hour Charging from 10% to 90%
Endurance	6~8 h I 9~11 h
Drive System	
Wheel side motor driving	
Wheel side Auto Hold	
Operating parameters	
A Overall operating height	3245 mm
B Height to top of cab	1815 mm
C Dumping angle at maximum height	25/22°
D Ground clearance	141 mm
E Wheelbase	722 mm
F Overall length without standard bucket	1952 mm
G Overall length with standard bucket	2682 mm
H Maximum angle of flat ground	22°
I Unloading height	1850 mm
J Height to bucket hinge pin	2410 mm
K Loading distance at Max. unloading height	545 mm
L Dumping angle at maximum height	34°
M Rollback of bucket at full height	97°
N Bucket width	1126 mm
O Radius of gyration	1650 mm
P Track width	756 mm
Q Machine width	959 mm

Specifications are subject to change without prior notice .

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YUCHAI
YUCHAI EQUIPMENT

KAVIK

Electric Skid Steer Loader

Lithium Iron Battery :21.29kWh

Standard endurance: 6~8h | 10 % → 90 % in 1.5 hours
Machine Weight: 1540 kg | Max.traveling speed : 10.5 km/h
Overall dimensions (L x W x H): 2682mm x 959mm x 1815 mm

S35 Pro

Yuchai – S35 Electric skid Steer Loader

The Yuchai S35 is a pure electric skid steer loader specially designed for environmentally sensitive areas such as cities and parks. It is equipped with a high-efficiency electric drive system and a compact and flexible structural design. It not only achieves "zero emissions and low noise" environmental protection operations, but also has outstanding advantages such as multi-functionality, easy operation, and low maintenance costs. It is an ideal equipment for various application scenarios such as urban construction, municipal maintenance, agriculture and industry.

Zero Emissions, Low Noise

The S35 features a pure electric drive design. During operation, it eliminates the roar of diesel engines and unpleasant odors, with significantly lower noise levels. For agricultural users, especially those in the livestock farming users, this machine creates a more comfortable environment for both operators and animals.

All-New Dedicated Electric Platform

Developed from the ground up on an electric platform, it features an integrated layout for the battery pack, motor, and electronic control system. While accommodating a high-capacity battery (S35Pro -21.3kW h)/(S35Max -29.17kW h), it optimizes the overall center of gravity distribution, enhancing stability and maneuverability.

The adoption of dedicated motors and transmission systems ensures precise power output matching for loader operating conditions (e.g., heavy loads, slope climbing), delivering higher efficiency,helping you stay ahead of the competition.

Battery capacity increased by **40%**

Wheel side motor driving

Wheel side **AUTO HOLD**

Traction force increased by **18.8%**

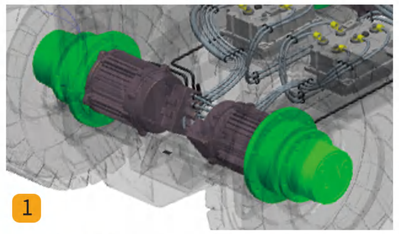
Operation stability increased by **7.5%**

Battery life increased by **32%**

Saving **90%** on fuel costs

1 Wheel-Side Drive Technology

Yuchai pioneers wheel-side drive technology in compact construction machinery, featuring independent controllers and motors for each wheel. This enables separate control of hydraulic and travel systems with non-interfering power distribution. Torque remains consistent regardless of rotational speed, delivering robust power even at low speeds.



Wheel side motor driving

2 Wheel-End Parking Technology

The **S35** features integrated wheel-end parking functionality (**AUTO HOLD**). Combining mechanical brake discs with wheel-side motors, it provides dual parking modes with automatic hold capability. When stationary with the travel direction set to neutral, the brake automatically engages, enabling operators to work more safely.

3 One machine with multiple uses, compatible with various attachments, meeting the application requirements of multiple scenarios.

High-Capacity LFP Battery

Via its inverter, the machine transforms into a large power bank capable of 220V/10A output to support various electric tools. With 5,000 charge cycles (equivalent to 16 years of service) and ≤6% performance degradation over 8 years, its intelligent overload protection safeguards the battery/motor system. Yuchai further backs the battery with a 5-year warranty, eliminating traditional battery reliability concerns.

Stable and Reliable Battery, Motor & Control System

The S35 shares identical battery and electronic control systems with Yuchai's S35 skid steer loader. Its supply chain leverages top-tier enterprises from China's EV industry. Having undergone rigorous long-term testing in China's demanding operational environments, the electrical systems of both S35 loaders and S35 skid steer loader have proven their stability and reliability.

Yuchai– S35Pro Electric Skid Steer Loader

90% Lower Operating Costs Than Conventional Fuel-Powered Models

By adopting a pure electric direct-drive design, the S35 eliminates traditional engine + gearbox transmission systems. With in 2,000 operating hours, its combined operating and maintenance costs are 90% lower than diesel equivalents (calculation based on China's electricity and fuel prices).

Convenient and Fast Charging

The S35 offers dual charging options: 220V/16A (standard) and 380V/32A (rapid charging, optional), with charge ports configurable to European, American, or Chinese standards. In standard mode, replenishing power requires only connection to mains electricity. When using Fast charging equipment, **it achieves 10%-90% SOC recharge in just 1.5 hour.**

Premium Canopy
Where safety meets comfort

Concise and robust canopy

▶ Based on extensive feedback from European users, the Seat Index Point (SIP) has been precisely calibrated to ensure optimal driving comfort.

1 The TOPS/ROPS canopy ensures the driver's safety.

2 Humanized cab: Safety protection, comfortable driving operation, wide field of vision. It can be equipped with safety glass. The fully enclosed cab has better dust-proof and soundproof effects.

Ergonomic seat: Shock-absorbing design, no fatigue even after long hours of work.

Color LCD display: Touch screen control, simple operation, enhancing the control experience.

Rear camera（Optional）: Enhances the driver's field of vision and sense of security.

Color LCD display

▶ Rear camera(Optional)

Concise user interface(S35Max)

▶ Wide and comfortable foot space

▶ left/right joysticks

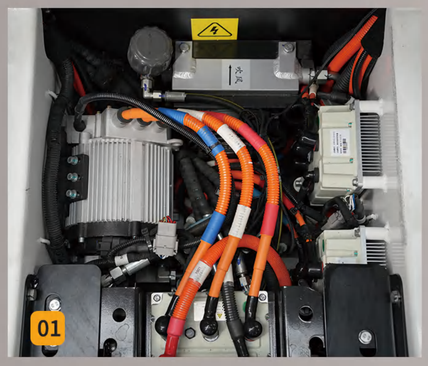
▶ Comfort and safe work

Simplified Maintenance Design

- The S35 incorporates a large-opening maintenance design, allowing access to the power and equipment compartments in just a few simple steps. This provides direct access to batteries, controllers, pumps, and motors, making machine maintenance simpler and more time-efficient. A major advantage of electric machinery is significantly reduced overall maintenance compared to diesel-engine machines.
- Unique cab tilt design provides easy access to major components forsimplified maintenance.

Maintenance advantages compared to diesel engines

- More than 40% reduced maintenance work.
- No regular oil changes/filter replacements.
- Reduced downtime，Significantly lower operating costs.



Chassis & Safety Systems

- The entire vehicle is made of high-strength structural steel, which has strong impact resistance and is more suitable for harsh working conditions.

  The battery pack features multiple safety protections: dust-proof, water-proof, short-circuit-proof, and impact-proof, meeting the IP67 standard.

  The automatic braking system and operation locking device enhance operational safety.

Safety extensions

Automatic braking system (AUTO HOLD)

Actuation lock against unintended use

Electronic fence(optional):

Effectively reminds of avoidance and ensures construction safety.

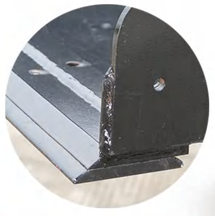
Rear camera(optional):

Enhances the driver's field of vision and sense of security.

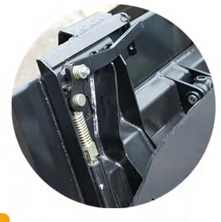
Intelligent diagnosis system:

Fault information can be read through the display screen for precise and rapid maintenance.

02 Quick Coupler Plate



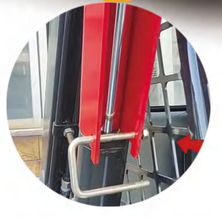
03 Reinforced Cutting Edge



02 Coupler Locking Mechanism

04 Attachment pipeline

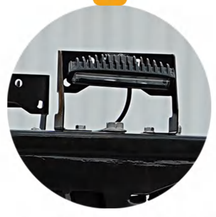
Gear Oil Filler Port



Safety Support Plate

External discharge

Rear camera (optional)



Position light (LED) (optional)

10 Lifting Holes (4 pcs)

Grease Gun Holder

Equipment

- Standards and requirements for special equipment vary by country.
- For more details on equipment options, please feel free to contact us.

Component Part	Description	Standard	Optional
Drive system	Wheel side Drive Technology	•	
	Wheel-Side Parking Technology（AUTO HOLD)	•	
Cabin/Canopy	Fully Enclosed Cabin with glass and door		•
	TOPS	•	
	Intelligent Touch Screen	•	
	Suspension Seat	•	
	Joystick control		•
	Fan	•	
	Electric Air Conditioner or PTC Heating Module		•
Safety protection	High-Strength Steel Body (Impact Resistance +30%)	•	
	Safety Bar	•	
	Emergency Stop Device	•	
	Operation Locking Device	•	
	Ramp Protection (Hill-Start Assist HSA + Automatic Hill Hold AHH + Over-Temperature Protection)	•	
	Active Safety (CAN Bus BUS-OFF Protection Mechanism + Over-Temperature Protection)	•	
	In-Line Warning Light		•
	Reversing buzzer alarm	•	
	Rear Camera		•
	Charging Detection	•	
Battery system	Dual-Capacity Battery (21.29kWh)	•	
	Dual-Capacity Battery (29.17kWh)		•
	Energy Recovery System	•	
	Standard Charger	•	
	Fast Charger		•
Remote control	Remote Control function		•
	GPS		•
Lighting	LED Work Light	•	
Options	Quick coupler	•	
	Standard Bucket	•	
	Fork		•
	Industrial Grapple		•
	Angle Sweeper		•
	Closed Sweeper		•
	Drill Tool		•
	Snow Blower		•

Industry Grapple

Pallet Fork

Angle Broom

Closed Sweeper

Auger

Attachments

The perfect attachment for every job.

- Turn your machine into a true all-rounder.
- The right attachment transforms your machine into a powerful, versatile solution for any task.