

# Yuchai Z25 Electric Wheel Loader

Energy cost decreased by **91%**  
**0** maintenance during **2000** hours  
 Low failure rate

Green Energy  
Product

## Z25 Performance Parameters

Basic parameter	
Machine Weight	1880 kg
Rated Operating Load	800 kg
Max. traveling speed	0-12 km/h

Hydraulic System	
Pure electric control	
Working pressure	18 Mpa

Battery System		battery pack/secondary	
Battery		Lithium-ion	
Battery voltage		96 v	
Battery capacity (gross)		21 kwh	
Fastest charging time (from 20% to 80%, supported by fast charger)		1 h	
Standard endurance *		≥ 6 h	
Operating voltage		12 v	
Kipplast mit Schaufel - Maschinegerade, Hubgerust horizontal		800 kg	
Kipplast mit Schaufel - Maschinegeknickt, Hubgerust horizontal		605 kg	
Kipplast mit Palettengabel - Maschine gerade, Hubgerusthorizontal		520 kg	
Kipplast mit Palettengabel - Maschine geknickt, Hubgerusthorizontal		395 kg	

## Drive System

Wheel motor driving	
AUTO HOLD	
Tank capacity for hydraulic oil	8L
Travel speeds increase/reduction	2
Travel speed Standard	0-12 km/h
Max. hydraulic discharge volume	36 L/min
Max. working pressure	180 bar
Quick coupler type	hydraulic
Lifting cylinder	2
Tipping cylinder	1
Steering type	hydraulic articulated pendulum steering
Steering cylinder	1
Oscillating angle	± 58 degree
Parking brake	disc brake

## Operating parameter

A Overall Length	3850 mm	O Digging Depth	55 mm
B Overall Length (Without bucket)	3000 mm	P Overall Width (Wide Tire/Narrow Tire)	1106/930 mm
C Axle middle to Bucket Pin	461 mm	Q Track Width (Wide Tire/Narrow Tire)	801/740 mm
D Wheelbase	1345 mm	S Ground Clearance	198 mm
E Rear Overhang	904 mm	T Min. Radius External	2268 mm
F Overall Height	2138 mm	U Radius at the Outer edge	1796 mm
H Seat Height	1178 mm	V Inside Turning Radius	653 mm
J Overall Operating Height	3547 mm	W Inclination Angle	58°
K Height of Bucket Pivot (Max.)	2781 mm	X Rollback Angle at Max. Lifting Height	57°
L Loading-Over Height	2518 mm	Y Dumping Angle (Max.)	35°
M Dumping Height	2007 mm	Z Rollback Angle (on the ground)	38°
N Bucket to Front Wheel Distance (Dumping)	447 mm		

\*According to YuchaiHi standard testing conditions.  
 Specifications are subject to change without prior notice.

# Z25 Electric Wheel Loader

- Battery capacity increased by **40%**.
- Wheel motor driving ; AUTO HOLD
- Traction force increased by **18.8%**
- Operation stability increased by **7.5%**
- Battery life increased by **50%**
- **360°** rotation function in place

## Always the right running time.

Depending on the size of the battery, a running time of up to 8 hr can be achieved during uninterrupted operation. As a result, the running times of the battery are dependent on the respective application conditions, the work task and the manner of driving. This can also mean that a significantly longer running time can also be achieved.

### Low operating costs

The running energy costs are clearly higher in a machine with a diesel drive than those of an electrically driven machine. The higher procurement costs of the eMachine are paid off after some time and as a result, it makes this a more economical investment over the whole usage period.

### Multiple cab/canopy versions available.

Coordinated with different application, we offer an appropriate selection of different operator cabs for the Z25e. Fixed operator's canopy, fold-down operator's canopy eps (Easy Protection System) and cabin.



### Simple charging options

The central charging flap is easily accessible from outside. Behind this, you will find the socket, the activation switch and the charge indicator. You receive the charging cable (type 2 plug machine-side, known from the automotive industry) including the control box with a number of different plugs: 750 V / 125A AC, 440 V / 132 A AC and other adapter plugs. Viewed in full, the new, flexible charging system offers you an efficient and safe charging procedure.

### More efficient attachment application

Attachments and tires. Your yuchai machine becomes a multi-tool! The optimal attachment and the right tyres for every task.



### Wheel motor driving

Empowered by 6 cutting-edge patents, less components, no axles, simple chassis installation, and easy maintenance. Two separate electric motors are used in the machine: one for the drive and one for the drive system of the work hydraulics. This minimises the power consumption, because the performance is only drawn when it is really needed. The electric motor for the drive also allows a dynamic and powerful start-up of the machine. This can be felt in every acceleration process.



### Electrical hand brake.

The electrical hand brake provides both an auto-hold and hill-hold function. The brake automatically activates if the machine stands still, the direction of travel is set to neutral or the operator leaves their seat. Likewise, the electrical hand brake is automatically released if the machine is put into gear using the accelerator. Naturally, the brake can likewise be manually activated and deactivated by operating a switch. Additionally, energy is won back through the brake system via the so-called regeneration, which also extends the running time.



### Multiple cab/canopy

versions available. Coordinated with different application, we offer an appropriate selection of different operator cabs for the Z25e. Fixed operator's canopy, fold-down operator's canopy eps (Easy Protection System) and cabin.



### More efficient attachment application

Variable adjustment of the oil volume of the 3rd control circuit enables the application of attachments that are operated with hydraulic continuous operation. With this, the oil volume can be individually adapted to the relevant attachment. This enables the operator to work both comfortably and efficiently with the machine and the attachment. In addition to this, the machine can be operated in stationary mode. For this, the work hydraulics of the 3rd control circuit are used to drive an attachment, such as a wood splitter. There is a multi-functional tail mounting bracket for the professional operation of rear attachments.



### Extensive lighting package

The lighting can be adapted to various requirements: LED work lights (standard), lighting according to Road Traffic Regulations (StVZO) (halogen or LED), LED Performance work lights (2,900 Lumen), rotating beacon (LED, optionally magnetic) and rear, blue safety light. This enables optimally adapted working with the machine, even in the dark. Good illumination of the area of work increases work safety and allows the operator to work focussed for longer with the machine.



### Powerful lithium-ion battery

Powerful lithium-ion battery. Depending on the application area and purpose of use, you are able to select the appropriate battery size for you. Saving 91% on fuel costs. Zero maintenance during 2000 hours. Low failure rate. Simple maintenance.

