

Features

Truck	Standard	Options
48V Permanent Magnet Synchronous Drive Motor	●	
Hydraulic Power Unit	●	
Polyurethane Wheels	●	
Side Charging	●	
Battery Lifting/Side Shift	●	
Adjustable Steering Wheel Height/ Angle	●	
Lithium Battery 48V/80Ah (EVE)	●	
Auxiliary Wheel	●	
Dual Load Wheels	●	
Cornering Speed Reduction	●	
Standing Platform Lift (Model: CJ025-XT1-LIT)	●	
Footrest Platform Lift/Lower (Model: CJ025-XT1-LIT)	●	
Side Operation Panel	●	
Various Fork Lengths		○
Various distance between Fork-arms		○
Lithium Battery 48V/105Ah (EVE)		○
Lithium Battery 48V/125Ah (CATL)		○
48V 30A Portable Charger		○
48V 50A Portable Charger		○
Front Multifunctional Bracket		○
Backrest	●	
Multi-Layer Pedal Pad	●	
Multifunctional Steering Wheel	●	
USB Plug	●	
Key Switch	●	
Adjustable Height Backrest		○
No logo Handle		○
Controls and instruments		
Electric Steering System	●	
Permanent Magnet Synchronous Motor Controller	●	
Interactive Dashboard	●	
Electronic Lifting Limit	●	
Contactless Interlock Switch	●	
Safety		
Emergency Power Off Switch	●	
Horn	●	
Bumper		○
Lights		
Front LED Light	●	
Turn Signals	●	

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ISO 45001:2018



ISO 14001:2015



ISO 9001:2015



HANGCHA trucks conform to the European Safety Requirements.



X SERIES

LOW-LEVEL ORDER PICKER

With capacity of 2,500kg

LET THE LITHIUM POWER FREED

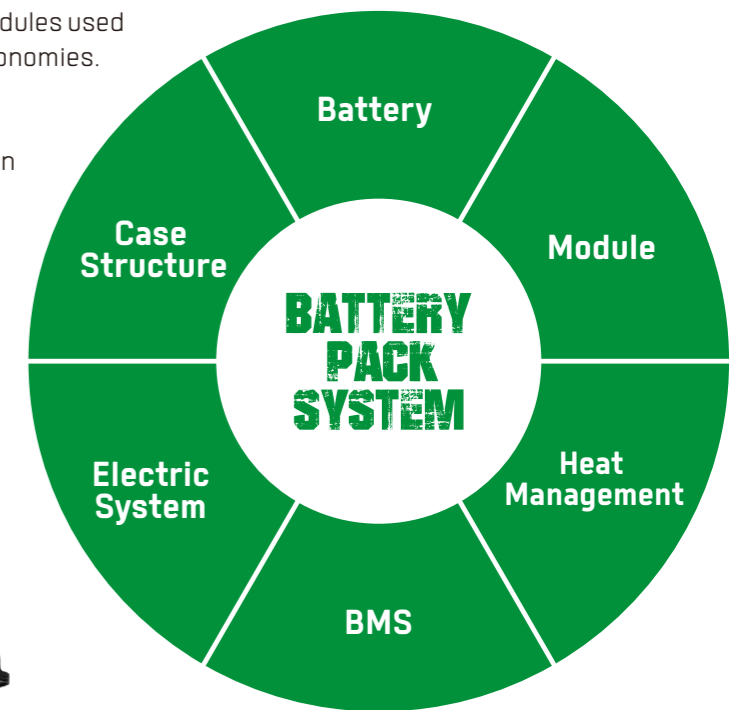


HANGCHA provides Li-ion battery (LiFePO4) with 6 years or 12000 hours warranty.

**6 YEARS
WARRANTY**

INNOVATIVE SOLUTIONS NEW POWER NOW

- / We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
- / Safe and effective: Charging efficiency as high as 95%.
- / Quick charging.
- / Long-working: 4000 charging cycles, capacity retention greater than 80%.
- / Maintenance-free: Battery does not require manual maintenance.
- / Green and clean: Pollution-free, zero emissions.



Rapid charging and opportunity charging ensure continuous availability of vehicles

Allow for fast full charging or boost charging.
They are maintenance free and do not require a battery change when used for multi-shift operations.

X SERIES LOW-LEVEL ORDER PICKER

The X Series low-level order picker features an advanced permanent magnet brushless drive system and a brand new 48V system platform.

It is safe and reliable, offering comfort and efficiency with outstanding performance and low maintenance costs, making it ideal for the selection of large items from the lower shelves in large supermarkets.

48V
V O L T A G E
WITH
PERMANENT MAGNET
SYNCHRONOUS DRIVE MOTOR

RUGGED ON THE OUTSIDE

APPEARANCE

- **Family Design:** The vehicle has a smooth and dynamic overall line that is in line with the latest design trends.
- **Material:** Made of stamped steel plates, it is strong, robust, durable, and environmentally friendly.



Steering Wheel:

A newly developed multifunctional steering wheel with integrated design, novel and aesthetically pleasing, making operation more convenient.



Adjustability:

The steering wheel can be adjusted in multiple degrees of freedom to suit operators of different heights and arm lengths.



Storage Space:

Ample storage space provides greater convenience for the operator.



TOTAL COMFORT

- **Lifting Mechanism:** All lifting mechanisms are designed with a buffering function to effectively reduce impact and improve the operator's comfort.
- **Pedal Assembly:** The combination of a suspended structure pedal assembly and a thick multi-layer pedal pad can effectively reduce the operator's fatigue.



REVOLUTIONARY PERFORMANCE

- **Control System:** Side control and walking mode functions effectively improve work efficiency.
- **Drive System:** Employs a permanent magnet synchronous drive system with excellent performance and low energy consumption. a new 48V power supply system with low heat generation.
- **Control Unit:** The truck uses a VCU (Vehicle Control Unit) for precise and smooth control, leading to higher efficiency.

9.5 TRAVEL SPEED M/S

Equipped with a high-power motor for high travelling speeds.



Working Modes:
The dashboard offers multiple working modes to meet the needs of different working conditions.



Lifting Function:
Comes with a footrest platform that can be lifted, facilitating picking at higher locations.



Charging System:
It features a side charging design, with battery pack that can be lifted and removed from the side, making it convenient and quick.



RELIABILITY

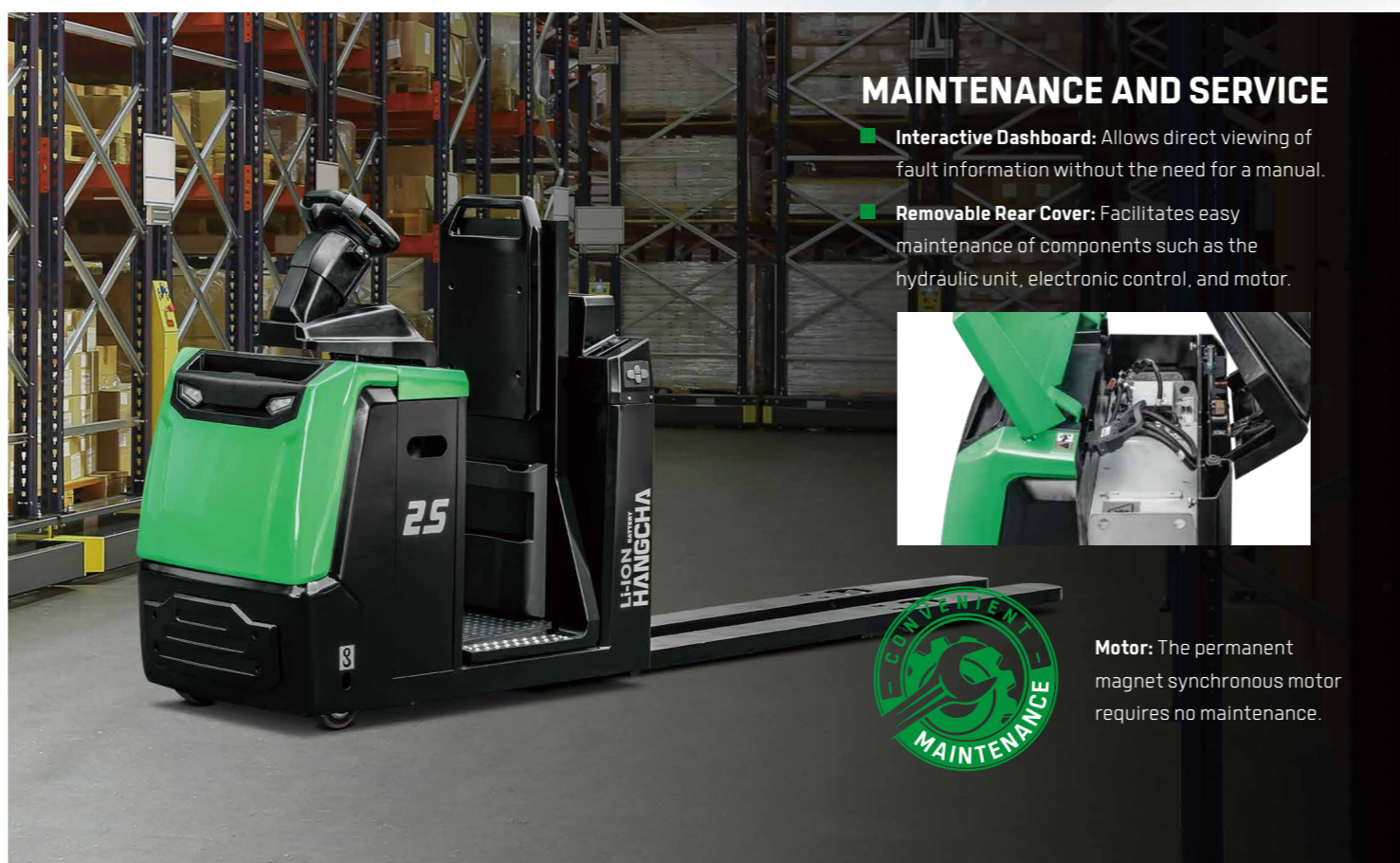
- **Frame:** The truck frame is made of high-strength steel plates, ensuring a long service life.
- **Connectors:** The entire truck uses waterproof connectors, and all electrical wires and cables are well protected, greatly improving the reliability of the electrical system.

MORE PROTECT

SAFETY

- **Lifting Limit Protection:** Standard electronic lifting limit and intelligent limit protection from the controller prevent impact when lifting to the top, effectively protecting the working motor and the safety of the goods.
- **Anti-Rollback Feature:** The truck has a slope anti-rollback function to ensure operational safety.

Safety Monitoring: Multiple safety monitoring switches such as steering wheel position detection and standing pedal induction work together to effectively ensure the personal safety of the operator.



MAINTENANCE AND SERVICE

- **Interactive Dashboard:** Allows direct viewing of fault information without the need for a manual.
- **Removable Rear Cover:** Facilitates easy maintenance of components such as the hydraulic unit, electronic control, and motor.



Motor: The permanent magnet synchronous motor requires no maintenance.

Technical data

		HANGCHA GROUP CO.,LTD.		
Distinguishing mark	1.1	Manufacturer		
	1.2	Manufacturer's type designation	CJD25-XT1-LI	
	1.5	Rated capacity	2.5	
	1.6	Load centre distance	c (mm)	
	1.8	Load distance, centre of drive axle to fork	x (mm)	
Weight	1.9	Wheelbase	y (mm)	
	2.1.1	Service weight	Kg	
	Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane	(mm)
		3.2	Tyre size, front	(mm)
		3.3	Tyre size, rear	(mm)
3.4		Additional wheels (dimensions)	(mm)	
3.5		Wheels, number front/rear (- = driven wheels)	b10 (mm)	
Dimensions	3.6	Tread, front	b11 (mm)	
	3.7	Tread, rear	h3 (mm)	
	4.4	Lift	mm	
		Operator platform lift height	h13 (mm)	
	4.15	Height, lowered	l1 (mm)	
	4.19	Overall length	l2 (mm)	
	4.20	Length to face of forks	b1 (mm)	
	4.21	Overall width	s/e/l (mm)	
	4.22	Fork dimensions DIN ISO 2331	b5 (mm)	
	4.25	Fork spread	m2 (mm)	
	4.32	Ground clearance, centre of wheelbase	Ast (mm)	
	4.34.2	Aisle width for 1000 x 1200 pallet, crosswise (raised forks)	Wa (mm)	
	4.35	Turning radius	(km/h)	
	Performance	5.1	Travel speed, laden/unladen	(m/s)
		5.2	Lift speed, laden/unladen	(m/s)
5.3		Lowering speed, lade/unladen	(%)	
5.8		Max. gradeability, laden/unladen	(kW)	
Electric engine	6.1	Drive motor rating S2 60 min	(kW)	
	6.2	Lift motor rating at S3 15 %	(V)/(Ah)	
	6.4	Battery voltage /nominal capacity	(V)/(Ah)	
	6.4.1	Optional battery voltage /nominal capacity		
	8.1	Type of drive unit		

