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ISO45001  
ISO45001:2018



ISO14001  
ISO14001:2015



ISO9001  
ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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INNOVATIVE LITHIUM-ION

## A series Medium Level Order Picker

with capacities of 1,000kg

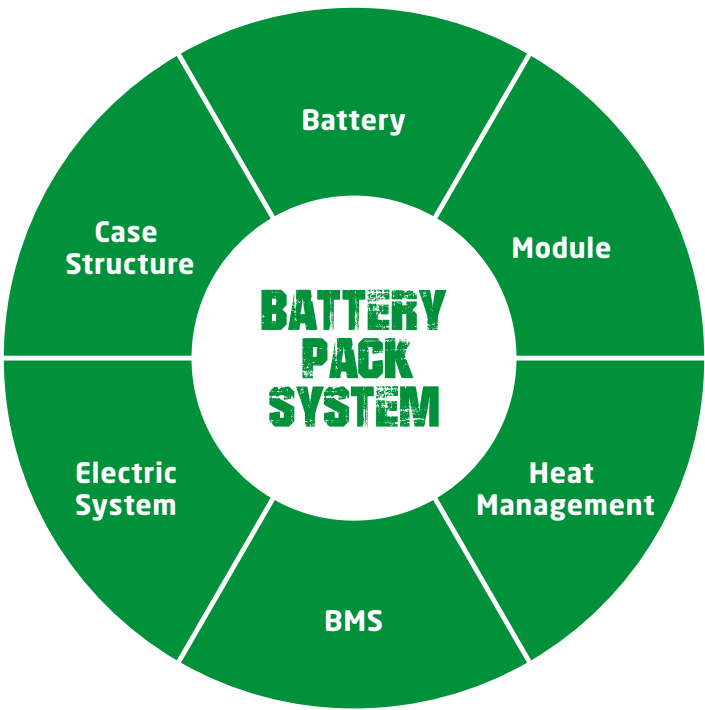
*The World of Hangcha*





# INNOVATIVE SOLUTIONS NEW POWER NOW

- / We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
- / The module uses an aluminum alloy frame which is sturdy, lightweight and with excellent heat dissipation.
- / Safe and effective: Charging efficiency as high as 98%, thermal runaway temperature 600 °C or above.
- / Adapted to low temperatures: Comes standard with an electrical heating feature , ensuring normal operation in low temperatures.
- / Quick charging: 2 hours full charge, economic use of each break.
- / Long-working: 4000 charging cycles, capacity retention greater than 75%.
- / Maintenance-free: Battery does not require manual maintenance.
- / Green and clean: Pollution-free, zero emissions.



Li-Ion  
**2 hours**  
**100%**

Lead-acid batteries  
**8-10 hours** 100%

**Rapid charging and opportunity charging ensure continuous availability of vehicles.**

Li-Ion powered forklifts are always available. They allow for fast full charging or boost charging (100 % charge in 2 hours). They are maintenance free and do not require a battery change when used for multi-shift operations.

## Li-Ion Battery Pack specification

Type		CJD10-AC3-M1I*	CJD10-AC3-M1KI*	CJD10-AC4-M2I*	CJD10-AC4-M2KI*
Li-Ion battery	V/Ah	24/604	24/604	24/604	24/604

Note: \* CE model



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

**6 YEARS**  
**WARRANTY**





## A series Medium Level Order Picker

The A series medium level order picker is a type of high-end truck of warehouse equipment. The truck features complete safety protection system, excellent ergonomic design, and cutting-edge control system. With reliability, stability, comfort, safety, and excellent performance, it is suitable for order picking operations for low and medium-level automatic storage & retrieval system with height below 5m.

### Move freely, Lift freely

#### High Performance

- / Maximum full-load travel speed can reach 9km/h, which increases efficiency substantially.
- / The AC driving motor features excellent acceleration performance, outstanding climbing ability, low heat emission, and is brushless, and maintenance-free.
- / The cutting-edge CURTIS AC control system realizes accurate and stable control, and higher efficiency.
- / The CANBUS structure makes communication of the entire truck faster and more reliable.







## Comfort

- / Buffering and deceleration functions of the mast when it rises / descends to the top / bottom can avoid impact and thus increase comfort.
- / Rising / descending speed of both the cab and fork can be regulated in proportion to control accuracy.
- / LED cab top lamp and side lamp, as standard configuration, feature attractive appearance and bright illumination, and are helpful for order picking operations in space with poor lighting.
- / The CURTIS multi-functional instrument, as standard configuration, has multiple functions including speed selection and wheel position display, and can clearly display various types of information about the truck.
- / With a sub-operation system, rising / descending of the cab and fork can be manipulated to facilitate order picking operations.

## Reliability

- / The high-strength steel plate framed structure of chassis features a long service life.
- / All wires and cables have reliable protection, which increases reliability of electrical system significantly.
- / Switches, plug connectors, meters, and other important parts are all imported from abroad, with excellent performance and reliable quality.



## Safety

- / The tilt angle detection system, as standard configuration, makes the truck stop operation when it tilts forward / backward or left / right to certain angle, and the operation may not be resumed until the cab is lowered to the level below certain height.
- / Side barriers with detecting switch are provided at both left and right sides, and the truck works only when such side barriers are lowered to positions.
- / Mast chain of 10 times of safety factor is provided, including chain safety switch.
- / Travel speed and lifting speed are interlinked, with lower travel speed as lifting height increases, also with lower acceleration.
- / The proportional deceleration function at turns, as standard configuration, guarantees stability and safety when the truck turns.
- / The safety pedal of standard configuration must be treaded down to enable other operations, so as to increase safety.
- / The hydraulic system has an emergency manual lowering valve, which can be operated at rear of the truck to lower the cab.

## Maintenance

- / The brushless, maintenance-free AC driving motor reduces operation cost significantly.
- / The meter integrating battery indicator, timer, and fault self-diagnosis is convenient for maintenance.

## Standard Specification

- / AC driving motor
- / CURTIS controller
- / Free accelerator lever (with sensor switch)
- / Automatic deceleration at turns
- / CURTIS instrument
- / Chain switch
- / Side barriers switch
- / Rear-view mirror
- / LED lamp
- / Emergency power off switch
- / Alarm light
- / Horn
- / Safety pedal
- / Tilt angle detection system
- / Side barriers
- / File folder
- / Back cushion
- / Cup holder
- / Electrostatic belt
- / Electromagnetic brake
- / Battery side roll out



Order picker works only when the side barriers are all lowered



The FREE accelerator lever with sensor switch, as standard configuration, can prevent mis-operation during the work



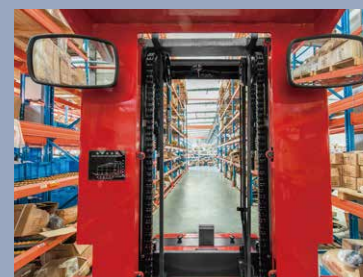
The rear hood can be removed easily to facilitate maintenance work on parts such as hydraulic unit, electronic control system and the motor



LED top lamp can provide bright operating environment



Battery side roll out



Better vision for operation