

Simple/  
Solid/  
Smart



### Standard Specification

- / High efficiency AC driving motor
- / Multi-functions instrument
- / Rubber floor mat
- / PC Platfond
- / Emergency disconnect switch
- / Pneumatic tyre
- / Electronic parking brake
- / Battery slung removing
- / 2-way-valve
- / LED combination headlight
- / LED rear combination light
- / Panoramic rearview mirror (in the middle position of the overhead guard)
- / 3 meters duplex mast
- / Adjustable steering column
- / Full electronic controlled traveling, lifting and steering
- / Horn and reversing buzzer
- / Toolbox and file folder
- / CAN-BUS system
- / Low noise gear pump (Brand: Shimadzu, Made in Japan)
- / Full hydraulic power steering
- / Soft landing system
- / OPS system

### Options

- / Solid tyre
- / Non-marking tyre
- / 3rd or 4th hydraulic function
- / 2.5-5 meters duplex mast
- / 4.0-6 meters triplex mast
- / Rear working LED light
- / Reversing assist grip with horn button
- / Integrated side shift
- / Other attachments
- / Other dimension forks
- / Special carriage and backrest
- / Big capacity battery
- / Battery side roll-out
- / Fingertip control on the adjustable armrest
- / Suspension seat
- / Cold store protection
- / Full closed cabin
- / Blue spot light
- / Alarm lamp
- / Lateral rearview mirror



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ISO14001  
ISO14001:2015



ISO9001  
ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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## A Series Electric Forklift Truck

with capacities of 4,000 to 4,990kg

The World of Hangcha



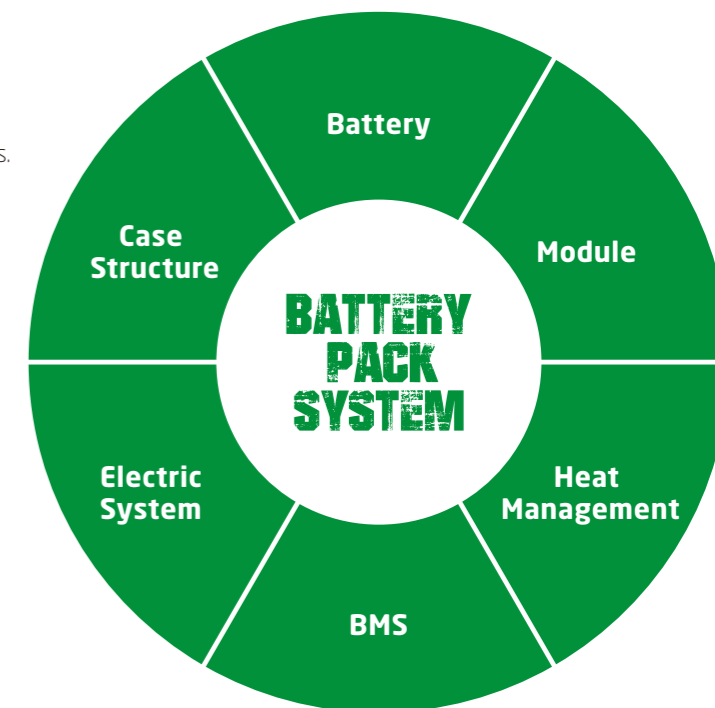
# LET THE LIUM POWER FREED



## INNOVATIVE SOLUTIONS NEW POWER NOW

Innovative, reliable lithium-ion technology (Lithium Iron-Phosphate), which are developed jointly by HANGCHA and CATL. Battery cells and modules are from CATL, with reliable quality, exclusively for HANGCHA.

- / 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 80%.
- / 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.



TITANS CHARGER



HANGCHA provides Li-Ion battery (LiFePO4) with 5 years or 10000 hours warranty.



**5 YEARS  
WARRANTY**

### Li-Ion Battery Pack specification

Type		CPD40-AC4-I CPD40-AD2-I	CPD45-AC4-I CPD45-AD2-I	CPD50-AC4-I CPD50-AD2-I
Battery voltage, capacity	V/Ah	80/542	80/542	80/542
Titans charger		SLC-80200	SLC-80200	SLC-80200



## High Performance

- / Electromagnetic brake is used as service brake, instead of traditional hand brake, which realizes intelligent parking brake, with lower labor intensity of the operator, and higher safety.
- / Soft landing system lowers descending speed automatically when fork reaches the height range of 100-60mm from the ground, so as to reduce vibration of the entire truck, and provide effective protection for goods.
- / Full AC configuration includes AC traction motor + AC pump motor; With higher performance of entire truck, and longer battery life.
- / Efficient driving control system of high-frequency MOSFET integrated controller guarantees smooth and accurate control on driving and lifting, superior speed regulation performance, with regenerative braking, reverse braking, anti-slipping on slope and other functions, resulting in more efficient, safer, and more comfortable operations.
- / The application of load sensing hydraulic power steering technology realizes reliable, sensitive, and easy steering; distribution of optimized oil in steering oil circuit and working oil circuit increases efficiency of hydraulic system.
- / LED lights for entire truck reduce energy consumption.

## Appearance

- / It follows the entire profile of appearance of A series, with clear lines on side of the truck, and smooth transition to counter weight. These lines are shaped as an integral whole, with powerful visual tension.

## Maintenance

- / Fully-openable cover enables easy maintenance of battery.
- / Easy-to-open airtight cover plate realizes easier debugging and maintenance of electric control system, and avoids the system from invasion of rain and dust.
- / The brushless, maintenance-free AC drive motor reduces operation cost significantly.
- / The option of side roll out battery is very convenient for fast, efficient, and safe replacement of battery, and is suitable for continuous work conditions.



## Comfort

- / The adjustable, small-diameter steering wheel with tilt designed based on ergonomics offers good hand feeling, and the seat can also be adjusted forward and backward, which can provide best driving position for the operator.
- / Head-up display are applied to increase visibility, operability of meters, thus with higher driving safety.
- / Silent running of entire truck, with extremely small vibration, offers more comfortable acoustical environment for the operator.
- / Integrated control valve makes levers be placed at the most comfortable position for hands, resulting in lower labor intensity of the operator.

## Stability

- / The internationally advanced parallel arrangement is adopted for traction motor, and the battery is sunken to chassis, resulting in lower gravity center and better stability of entire truck.
- / Flexible steering system, with smaller turning radius, allows stable turnaround within confined passageway.

## Reliability & Safety

- / Major electrical components such as motor controller, contactor, power plug, and emergency power off switch are all of foreign famous brands.
- / Major load bearing parts such as carriage, drive axle, steering axle, and mast are all designed with high strength to satisfy high-strength work conditions.
- / As a standard configuration, the emergency power off switch complies with European safety standards.
- / Dual overload protection systems of electronic and hydraulic modes are adopted.



Ergonomic design



Easy to see display



Easy for maintenance



Smaller turning radius