

# XC Series 4-W Electric Forklift Truck With Lithium Iron-Phosphate

with capacity of 1,500 to 3,500kg

LI-ION  
TECHNOLOGY

INNOVATIVE LITHIUM-ION



*The World of Hangcha*  
SINCE 1956

  
**HANGCHA**

# INNOVATIVE SOLUTIONS NEW POWER NOW



The XC series new energy electric forklifts, covering range from 1.5t to 3.5t, is a series of products with new chassis launched by HANGCHA.

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

Rapid charging and opportunity charging ensure continuous availability of trucks. Lightweight design, flexible, high level of energy efficiency, maintenance-free, long service life.

## Hangcha battery packs

Battery capacity (kW-h)		
Pack1	1.5 - 1.8t	76.8V*304Ah, 23.34Kwh
Pack2	2.0 - 2.5t	76.8V*304Ah, 23.34Kwh
Pack3	2.0 - 2.5t	76.8V*460Ah, 35.32Kwh
Pack4	3.0 - 3.5t	76.8V*460Ah, 35.32Kwh
Pack5	3.0 - 3.5t	76.8V*560Ah, 43.00Kwh

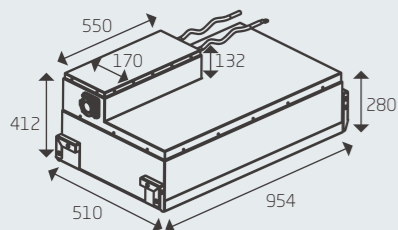


## High capacity CATL battery packs

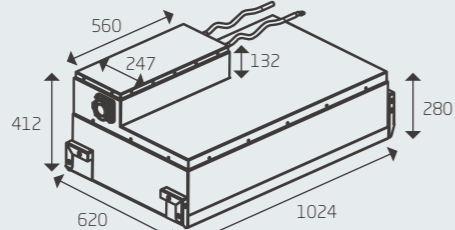
Integrated Battery Management System (BMS) continually monitors energy management and ensures reliable operation. HANGCHA provides Li-Ion battery with 5 years or 10000 hours warranty.

Battery capacity (kW-h)		
Pack1	1.5 - 1.8t	80V*228Ah, 18.24Kwh
Pack2	1.5 - 1.8t	80V*302Ah, 24.16Kwh
Pack3	2.0 - 2.5t	80V*302Ah, 24.16Kwh
Pack4	2.0 - 2.5t	80V*456Ah, 36.48Kwh
Pack5	3.0 - 3.5t	80V*456Ah, 36.48Kwh
Pack6	3.0 - 3.5t	80V*604Ah, 48.32Kwh

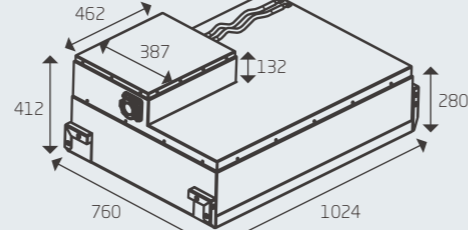
### 1.5-1.8t



### 2.0-2.5t



### 3.0-3.5t



## Excellent Ergonomic Design

- / The truck has a large operating space more than **50%** larger than the traditional electric truck.
- / The dashboard in the driver's cab is placed overhead and can be seen when the driver lifts her/his head, and the function buttons can be pressed easily.
- / For the optional integrated fingertip control system, the combined operating armrest integrates the emergency cut-off, horn and quadruple thumb switches, etc., is electrically controlled through the CAN bus and is highly reliable.
- / The enlarged brake pedal and appropriate regenerative braking function can effectively reduce the driver's fatigue.



## Advantages



The rear axle is provided with a flexible suspension system (for standard configuration and automatic deceleration at turns improve the driver's comfort).

The high-frequency MOSFET integrated controller ensures smooth and accurate driving and lifting control, and has excellent speed regulation performance, good performance of electronic control matching the motor, functions of regenerative braking, reverse braking and anti-sliding on ramps, etc., and high safety and reliability.

The ultra-high power AC traction motor has a bridge structure. An ultra-high power AC pump motor is used. The system has high efficiency, complete protection functions, built-in speed and temperature sensors, and greatly improved reliability and life.

**RELIABLE  
TRUCKS**



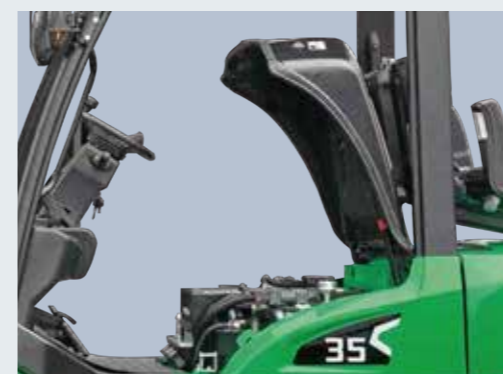
**5 YEARS  
WARRANTY**

## Easy operations and maintenance

Internal Components Protected with Fully-sealed Hood, controllers, motors electrical components, etc. are sealed from dust and water.



IPX4 water resistance rating, suitable for outdoor operation



The hood can be opened at a large angle facilitating the maintenance.





## Safety

The optional OPS system can disable the lowering when the driver leaves the seat and enable high safety.

The standard configuration provides soft landing system. In addition, an optional lift buffering system is provided to protect the goods from falling and damaging the ground.

The handbrake can be optionally equipped with an alarm buzzer to prompt the driver to pull up the handbrake before leaving the truck.



Three horn buttons are provided, which are respectively on the driver's steering wheel, thumb switch equipped armrest (optional) and reverse armrest (optional), for alerting and protecting the surrounding people.



A PIN code should be provided before entering the system. 99 sets of PIN codes are available for the administrator. The truck is highly secured and irrelevant personnel cannot start the truck.



IP67 Protection Rating



Quick charge < 2.0h

## Comfort

Owing to the low center of gravity and good stability, the driver feels comfortable during turning.

The ergonomically designed adjustable steering wheel makes the driver feel good. The seat can be adjusted back and forth by 210mm. The operator can choose the best driving position.

New designed mast increases the wide view by 15%.

With friendly human-computer interfaces, the 4.33" True Color Screen instruments have good visibility and clear readings.

Silence, no pollution, energy saving and other advantages meet the environmental protection requirements.



Grammer fingertip (Optional)



## Main Accessories

The main electrical components such as the controller, contactor, power plug, emergency cut-off switch, dashboard, accelerator, are all products of well-known world brands.

The emergency cut-off switch equipped for the standard configuration complies with EU regulations.

The truck has passed the CE certification.



## Options

- / Lithium packs that can be replaced quickly
- / Pin code or card
- / Super elastic tyre
- / Marked solid tyre
- / Left and right rear view mirrors
- / Backup camera
- / Front/rear blue lights
- / Rear working lights
- / Charger (Titan or Schneider)
- / Reverse armrest
- / Hood with a key lock
- / OPS system
- / Lift buffering system
- / Multi way valves
- / Integrated fingertip control system
- / Widened / heightened load backrest
- / Widened fork carriage
- / Other length forks
- / Full free duplex mast
- / Full free triplex mast
- / Sideshifter
- / Other attachments
- / Grammer MSG531 suspension seat

## Standard specification

- / Battery pack side roll out
- / Lithium packs with low temperature electric heating systems
- / High-power AC drive motor
- / High-power AC pump motor
- / Low noise gear pump
- / Multi-function color screen instrument cluster
- / Large integral rubber pedal pad
- / LED combination headlights, LED rear combination taillights
- / Stamped iron hood
- / Automatic deceleration at turns
- / Soft landing system
- / SPE power selection
- / Charging muzzle meeting national standards
- / Electronic cooling fan
- / Emergency cut-off switch
- / Reversing buzzer
- / Traction pin
- / Folder
- / Load sensing steering system
- / Duplex mast
- / Tilt cylinder jacket