



# XA SERIES

## PALLET TRUCK

With capacity of 2,000 to 3,000kg

### HANGCHA GROUP CO., LTD.

Factory site: 666 Xiangfu Road,  
Hangzhou, Zhejiang, China (311305)  
Tel: +86-571-88926735 88926755  
Fax: +86-571-88926789 88132890  
sales@hcforlift.com www.hcforlift.com

HANGCHA GROUP CO., LTD. reserves the right to make any changes without notice concerning colors, equipment, or specifications detailed in this brochure or to discontinue individual models. The colors of trucks, delivered may differ slightly from those in brochures.



Follow us on  
Facebook



Follow us on  
YouTube



Follow us on  
WeChat



Download "Hangcha"  
Forfeit App



HANGCHA trucks conform  
to the European Safety  
Requirements



## EFFORTLESSLY MAXIMISING PERFORMANCE

- The advanced AC control system ensures precise and stable control with high efficiency.
- The CANBUS bus structure makes the whole truck communication faster and more reliable.
- Equipped with an AC driving motor, it has excellent acceleration performance, good climbing ability, low heat generation, no brushes, and is maintenance-free.

 **6.0** Km/h  
Travel speed (laden)

 **≥8** %  
Gradeability (laden) (2.0t)

Standard equipment with EPS  
makes the operation more  
convenient and flexible.



## XA SERIES PALLET TRUCK

XA series pallet truck are a new generation of products developed by Hangcha specifically for warehouse logistics applications. They feature the latest **AC drive control system**, which is advanced in performance, comfortable to operate, safe and reliable, and has low cost for use and maintenance. They are an ideal tool for loading and unloading and moving palletized goods in warehouses, supermarkets, workshops.



### APPEARANCE

The XA series pallet truck adopt a professional appearance design with a family and series consideration, with smooth lines and a dynamic look; they fully consider ergonomics and comply with the latest design trends.

The whole truck is surrounded by stamped steel plates, which are strong, sturdy, durable, high-grade, and meet environmental protection requirements.







The optimized truck structure ensures that the truck has an excellent operating view, making it more convenient to enter and exit pallets.



The compact body and large corner design make the truck suitable for work in narrow spaces, and the chassis is designed with a wedge shape, greatly improving passability.

## ENJOY YOUR WORK

- The shock absorbing suspension system makes the pallet travel more smoothly and operate more comfortably.
- The standing pedal is designed with shock absorption, greatly improving the comfort of standing and reducing fatigue from long-term driving.



Different forks are available to suit the handling of various pallets.



*The control handle is beauty and simple, with all operating functions easily completed with one hand.*

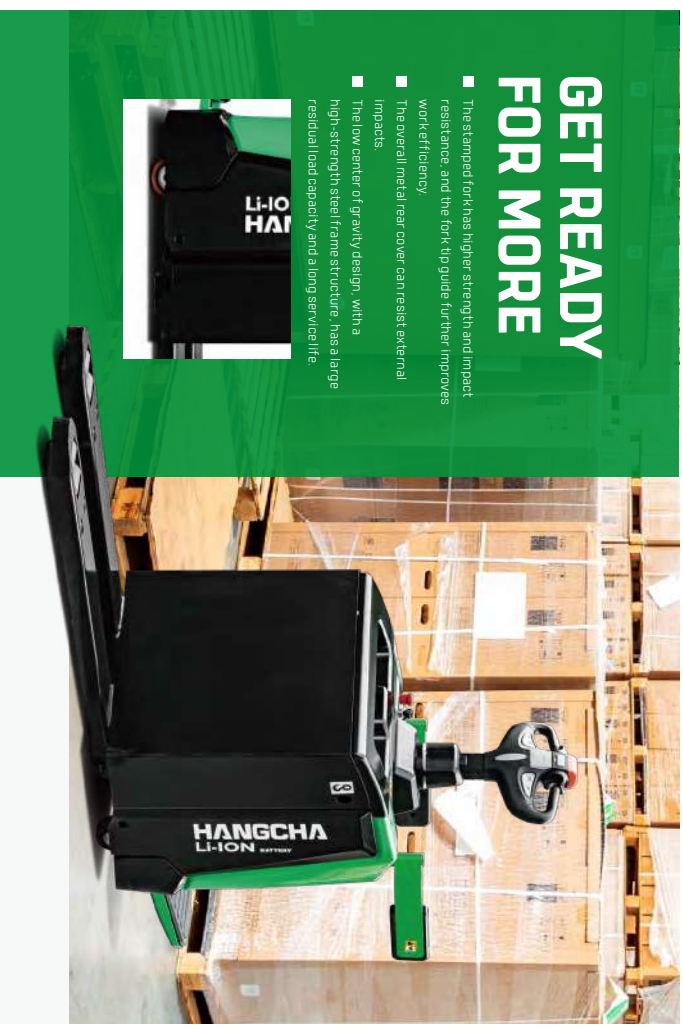


The unique turtle speed function with a red light display makes it more convenient to move the truck slowly, and even in very narrow spaces, goods can be placed.



## GET READY FOR MORE

- The stamped fork has higher strength and impact resistance, and the fork tip guide further improves work efficiency.
- The overall metal rear cover can resist external impacts.
- The low center of gravity design, with a high-strength steel frame structure, has a large residual load capacity and a long service life.



## RELIABILITY

- The lifting rod system has been optimized for stable and reliable performance with minimal force.
- The whole series uses waterproof connectors, and all wires and cables have reliable protection, greatly improving the reliability of the electrical system.
- The hydraulic power unit is low noise, low vibration, and the lifting and lowering are stable and reliable.
- The interlocking switch uses a non-contact proximity switch, which is highly reliable.
- The power plug is fixed on the truck body to prevent damage to the plug when lifting the battery.
- The battery is securely fixed, and the battery cover is supported by soft materials, reducing the vibration and noise generated during operation.



The unique shock absorbing floating suspension system of the stand-on ensures that the driving wheels are always in contact with the ground, ensuring the stability of the truck.



# PROTECT YOUR INVESTMENT

## WITH THREE BRAKING TYPES:

Releasing brake, reversing brake and emergency brake, the driving safety has been ensured.

*It has anti-slip protection on slopes to ensure operation safety.*



The standard electronic lifting limit and the dual protection of the intelligent limit of the controller avoid impact when lifting to the top, effectively protecting the motor and the safety of the goods.



The emergency reverse button at the head of the handle can effectively prevent the operator from being injured when encountering an emergency while driving backward.



The standard cornering deceleration function is safer.



## MAINTENANCE

- The AC motor is brushless and maintenance-free, saving usage costs.
- All shafts are equipped with lubricated bushings and oil cups, making maintenance convenient and extending the service life.



The integrated power display, timing, and fault self-diagnosis table are convenient for maintenance.



The rear cover can be completely opened, and the components are clear at a glance, making the maintenance of the truck very convenient.



# MORE UPTIME LESS UPKEEP



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





# LITHIUM POWERED










## EMPOWER YOURSELF WITH THE BEST



POWER THE POSSIBILITIES  
RELIABLE LITHIUM-ION TECHNOLOGY

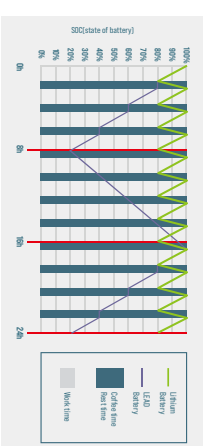
## LITHIUM BATTERY ADVANTAGES

- **Long service life**  
4000 full charging cycles with at least 75% residual capacity.
- **Return on investment**  
Add flexibility to your operation, cost-saving in the long term, increased efficiencies.
- **Maintenance free**  
No topping up of water or checking acid levels.
- **High energy density**  
The high energy density of the Li-Ion battery ensures long working times and increases the high availability.
- **Cold area application**  
Li-Ion batteries maintain high performance at temperatures below freezing.
- **High safety and reliability**  
Intelligent battery management monitoring every important function, no emission of battery gasses.
- **Opportunity charging**  
Full performance during several shifts thanks to effective interim charging.

## FEATURES & BENEFITS THE HANGCHA DIFFERENCE

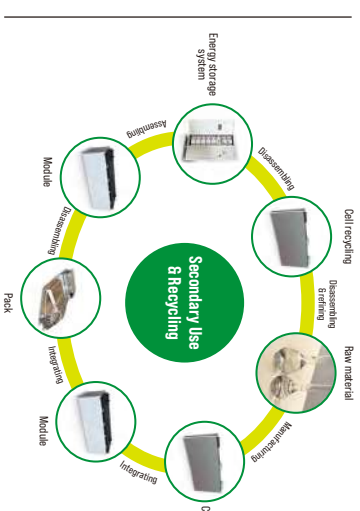
### Efficiency

By quick opportunity charging any downtime, such as a lunch break, can be efficiently used and the battery is recharged in a very short period of time. Interim charging does not affect the battery service life.



### Safety

/ Intelligent battery management monitoring every important function.  
/ Higher user safety, thanks to acid-free use.  
/ User-friendly due to avoided battery change.  
/ No emission of battery gasses.



**QUESTION 1**  
Q: What are the characteristics of lithium batteries, especially when used in high and low temperature environments?

- Charging temperature: -30°C - 55°C  
Discharge temperature: -30°C - 55°C  
Storage environment temperature: -30°C - 55°C
- After the truck key switch is closed, the instrument battery condition needs to be checked:
1. Confirm that there is no battery system alarm message on the instrument panel.
  2. Please check the remaining power before use. It is recommended to use the SOC between 50% and 100%.
  3. If the SOC is lower than 20%, it is not recommended to continue using it. Please charge it as soon as possible.

**QUESTION 3**  
Q: How does Hangcha BMS work to ensure the safety of the lithium battery?

HANGCHA BMS (battery management system) can monitor the cells at all times. As a result, hangcha lithium power is the reliable solution.

- Battery Safety Management:**  
Overcharge / over discharge protection  
Overcurrent / over-temperature / low-temperature protection  
Multi-level fault diagnosis protection  
Double fault monitoring

- Battery Parameter Detection:**  
Battery voltage detection and analysis  
Battery current detection and analysis  
Battery temperature detection and analysis

- Equalization Management:**  
Equalization based on voltage mode  
Equalization based on time mode  
Equalization based on battery cell SOC  
Active / passive equalization optional

- Other Features:**  
Low cost low power consumption  
Historical data record  
Flexible asset expansion  
CRC data validation

**QUESTION 2**  
Q: What is the charging time and usage time calculation of for Kift lithium battery?

1. Available power of lithium battery (kWh) = rated voltage \* rated power \* 50%  
To avoid over-discharge damaging the battery, the forklift is equipped with low power protection (less than 10%).
  2. Charging time (h) = rated capacity of lithium battery (Ah) \* 50% / charger output current (A).
  3. The power consumed for charging (kWh) = the available power of the lithium battery \* 50% (the charging efficiency of the charger is calculated as 50%).
  4. Usage time (h) = available power of lithium battery \* energy consumption data.
- For specific energy consumption values, please refer to the technical table on the sharing platform.

## Features

Truck	Standard	Options
24V AC asynchronous drive motor	●	
Hydraulic power unit	●	
Polyurethane drive wheel	●	
Fork length: 1150mm	●	
Distance between fork-arms: 540mm	●	
Fork surface from the ground: 85mm	●	
Electronic lifting limit	●	
Additional wheel	●	
Dual load wheels	●	
A full range of fork lengths		○
A full range of distance between fork-arms		○
Single load wheel		○
Turning deceleration	●	
Controls and instruments		
EPS (Electric Power Steering) system	●	
AC controller	●	
Multifunctional instruments	●	
Key switch	●	
Non-contact interlock switch	●	
Multi-functional handle	●	
Stepless lifting/lowering speed control	●	
USB Power Supply		○
Safety		
Emergency shut-off switch	●	
Horn	●	
Turning deceleration	●	
Other		
Automatic charger		○

### Optional Lead Acid Battery List

Capacity(Ah)
24V/210/240/280/340Ah

### Optional Lithium Battery List

Capacity(Ah)		
EVE	● 24V/150Ah	○ 24V/230Ah

Note: ● Battery; ○ Battery Opt;