Features

Truck	Standard	Options
Key switch	●	
On-board charger	●	
Upright walking	●	
Fork lowered height: 90mm	●	
Fork spread: 680mm	●	
Fork length: 1150mm	●	
Lifting height: 2.5 meters	●	
Fork lengths: 900/1000/1220/1300/1400/1500mm		○
Fork spread: 560/750/800/900/1000mm		○
Sleeve-type forks		○
Forged sleeve-type forks		○
Fork lowered height: 85mm		○
Lifting heights: 2.0/2.7/3.0/3.3/3.5/4.0 meters		○
Load backrest		○
Battery charger (see configuration table)		○
Controls and instruments		
Battery meter (with charge, time display, and error codes)	●	
Stepless speed control for proportional lifting/lowering		○
Driving space		
Left and right rearview mirrors		○
Safety		
Emergency power-off switch	●	
Horn	●	
Lifting speed limit switch	●	
Mast guard (mesh cover)	●	
Overhead guard		○
Reverse buzzer		○
Warning light		○

HANGCHA GROUP CO., LTD.

Factory site: 666 Xiangfu Road,
Hangzhou, Zhejiang, China (311305)

Tel: +86-571-88926735 88926755
Fax: +86-571-88926789 88132890

sales@hcforklift.com **www.hcforklift.com**

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ISO45001:2018 | ISO14001:2015 | ISO9001:2015 | HANGCHA trucks conform to the European Safety Requirements.



Z10 SERIES

WALKIE PALLET STACKER

With capacity of 1,500 to 2,000kg

Z10 SERIES

WALKIE PALLET STACKER

- The Z10 series is an economical walkie pallet stacker featuring a four-point support system and an extended handle layout, offering great value, functionality, stability, and a compact design.
- It is cost-effective, highly functional, stable, and space-saving, making it ideal for material handling in factories, warehouses, supermarkets, and more.

APPEARANCE

- The Z10 series walkie pallet stacker features professional industrial design with smooth, dynamic lines, fully considering ergonomics and aligning with modern design trends.
- It extensively uses alloy steel structures and sheet metal stamping processes, ensuring durability and compliance with relevant standards.





HIGH PERFORMANCE

Optional dual-control system enables stepless speed regulation during lifting and lowering, allowing precise fork positioning and smoother operation with reduced inertial impact.



The vehicle is equipped with regenerative braking and anti-rollback protection on slopes.



MAINTENANCE

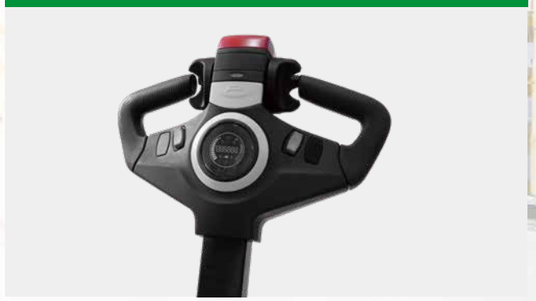
- Battery meter displays charge level and usage time for easy maintenance.
- Rear cover can be safely opened for clear visibility of components, simplifying maintenance.
- All rotating shafts can be lubricated for maintenance.

COMFORT

The four-point support and extended handle design provide a wide operational view and maintain a safe distance from the vehicle during walk-behind operation.



Multi-function handle and ergonomic instrument panel make all controls easy to use.





- Compact body with upright walking capability allows operation even in very narrow spaces.
- On-board charger allows for convenient charging anytime.



RELIABILITY

- Stamped sheet metal body ensures strength and durability.
- Hydraulic power unit operates with low noise and vibration, ensuring smooth and reliable lifting and lowering.



SAFETY

- Standard feature: Travel speed automatically reduces when forks are lifted to a certain height.
- Smart cushioning during lowering slows down fork descent at a certain height to protect the load.
- Lifting chains use double plate chains for enhanced safety.



- Equipped with three emergency braking functions: release brake, reverse brake, and emergency stop brake to ensure operational safety.

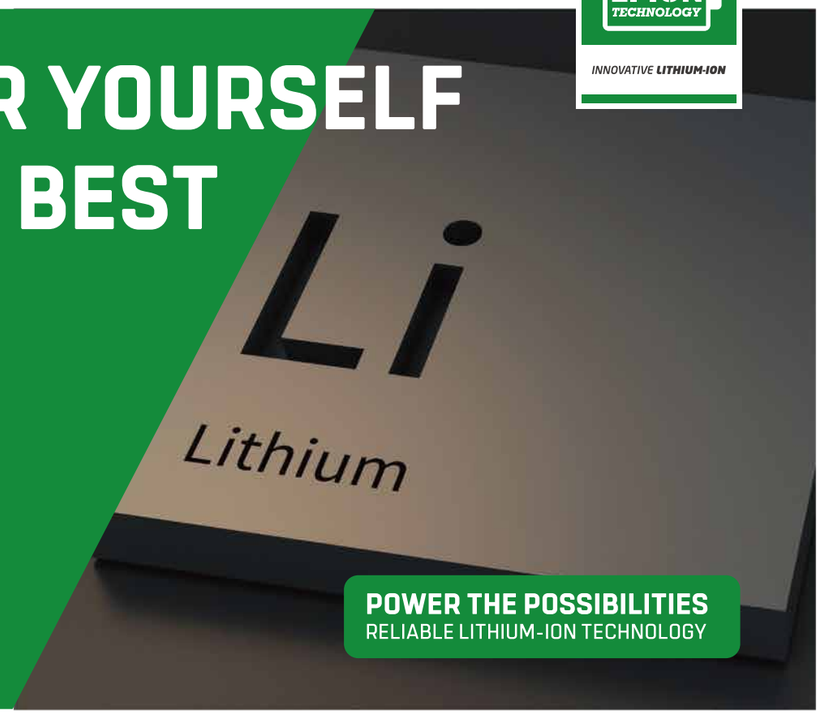


LITHIUM POWERED

LI-ION TECHNOLOGY

INNOVATIVE LITHIUM-ION

EMPOWER YOURSELF WITH THE BEST



V48 LITHIUM ION

POWER THE POSSIBILITIES
RELIABLE LITHIUM-ION TECHNOLOGY

LITHIUM BATTERY ADVANTAGES

Long service life
4000 full charging cycles with at least 75% residual capacity.

Cold area application
Li-Ion batteries maintain high performance at temperatures below freezing.

Return on investment
Add flexibility to your operation,cost-saving in the long term, increased efficiencies.

High safety and reliability
Intelligent battery management monitoring every important function, no emission of battery gasses.

Maintenance free
No topping up of water or checking acid levels.

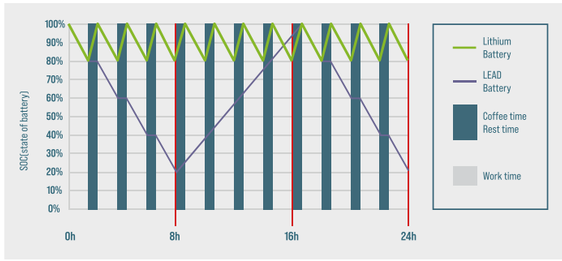
Opportunity charging
Full performance during several shifts thanks to effective interim charging.

High energy density
The high energy density of the Li-Ion battery ensures long working times and increases the high availability.

FEATURES & BENEFITS
THE HANGCHA DIFFERENCE

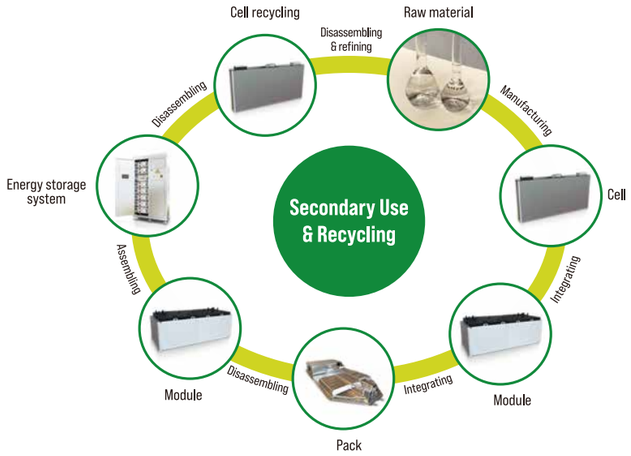
Efficiency

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℃-65℃
Discharge temperature:	-30℃-65℃
Storage environment temperature:	-30℃-65℃

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 2

Q: What is the charging time and usage time calculation of forklift lithium battery?

1. Available power of lithium battery (kWh) = rated voltage × rated power × 90% (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) × 90% ÷ charger output current (A).
3. The power consumed for charging (kWh) = the available power of the lithium battery ÷ 93% (the charging efficiency of the charger is calculated as 93%).
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.

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

Equilibrium 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 cascade expansion
CRC data validation