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Hangcha Official Website

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ISO45001
ISO45001:2018

ISO14001
ISO14001:2015

ISO9001
ISO9001:2015

HANGCHA trucks conform to the European Safety Requirements.

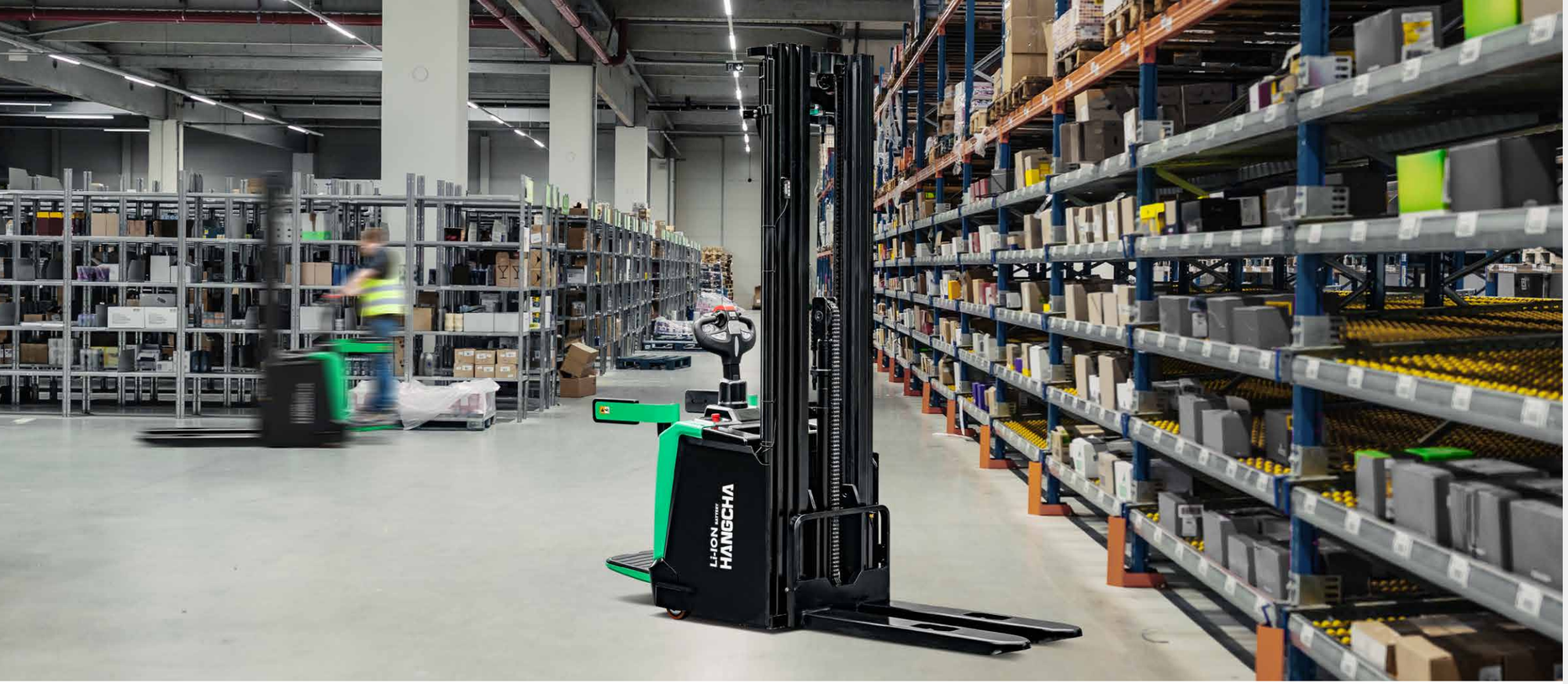
XA SERIES

ELECTRIC STACKER

With capacity of 1,200 to 2,000kg

2026 VERSION 3/COPYRIGHT 2026/06

Making Material Handling Easier



EFFORTLESSLY MAXIMISING PERFORMANCE

- The advanced AC control system ensures precise and stable control with high efficiency.
- The CANBUS bus structure makes the whole stacker 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)(1.2t)

8 % Gradeability (laden)(1.2t)

Standard configuration of a proportional lowering system, making operation smoother and more precise.

XA SERIES ELECTRIC STACKER

XA series electric stacker 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.

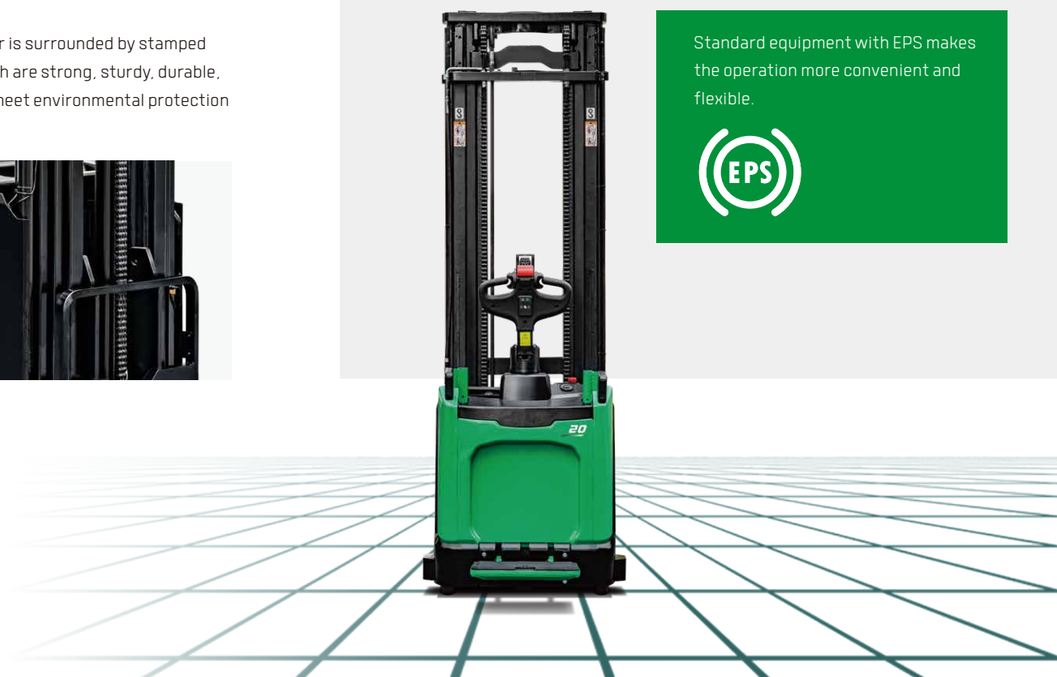
APPEARANCE

The XA series electric stacker 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 stacker is surrounded by stamped steel plates, which are strong, sturdy, durable, high-grade, and meet environmental protection requirements.

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

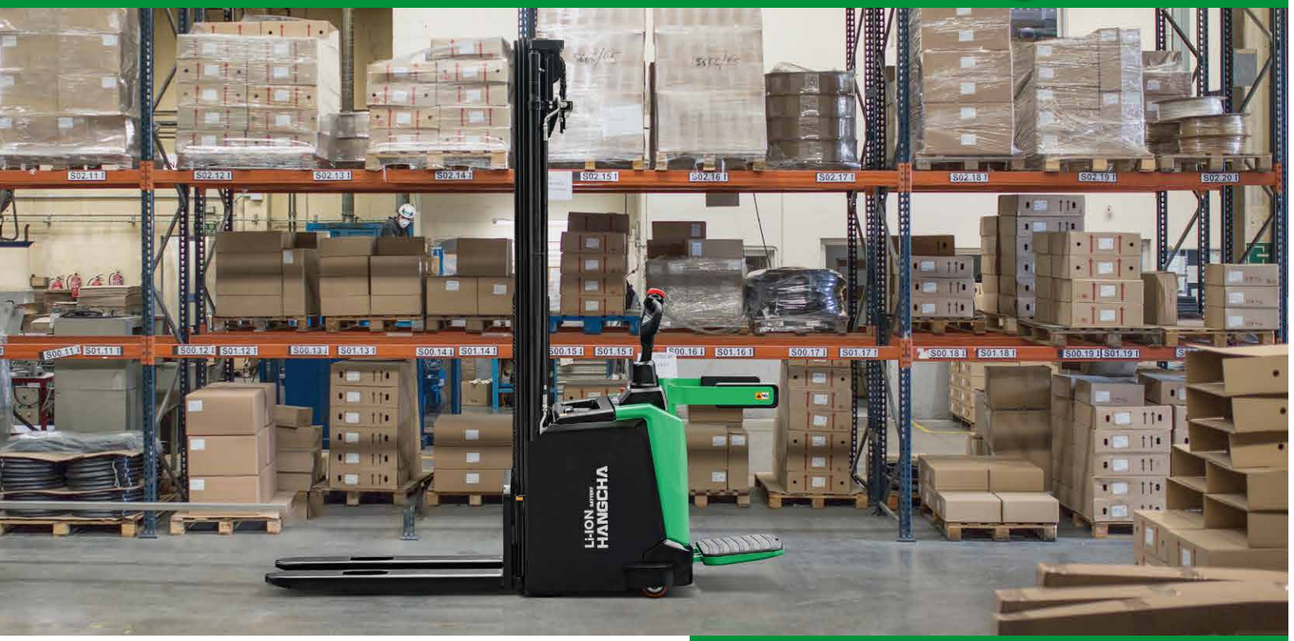
EPS



MAKE ANY JOB LOOK LIKE A WALK IN THE PARK

- 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.

The entire series comes standard with a proportional lowering, making the control of the fork more accurate and the lifting and lowering of the cargo more stable.

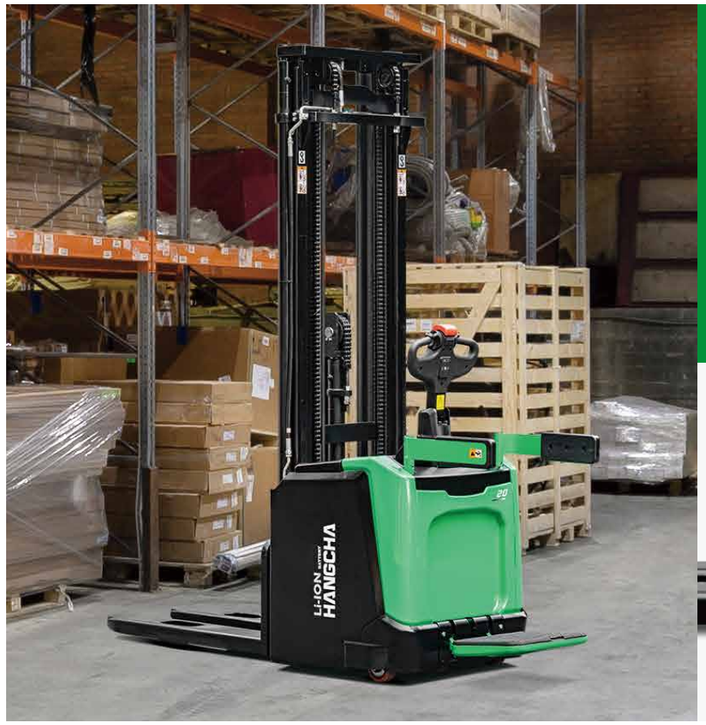


The standing pedal is designed with shock absorption, greatly improving the comfort of standing and reducing fatigue from long-term driving.

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 stacker slowly, and even in very narrow spaces, goods can be placed.



RUGGED ON THE OUTSIDE

- The low center of gravity design, with a high-strength steel frame structure, has a large residual load capacity and a long service life.
- The mast is made of H-section steel, which provides better rigidity and stability compared to C-section steel.

The stamped fork has higher strength and impact resistance, and the fork tip guide further improves work efficiency.

Reliability

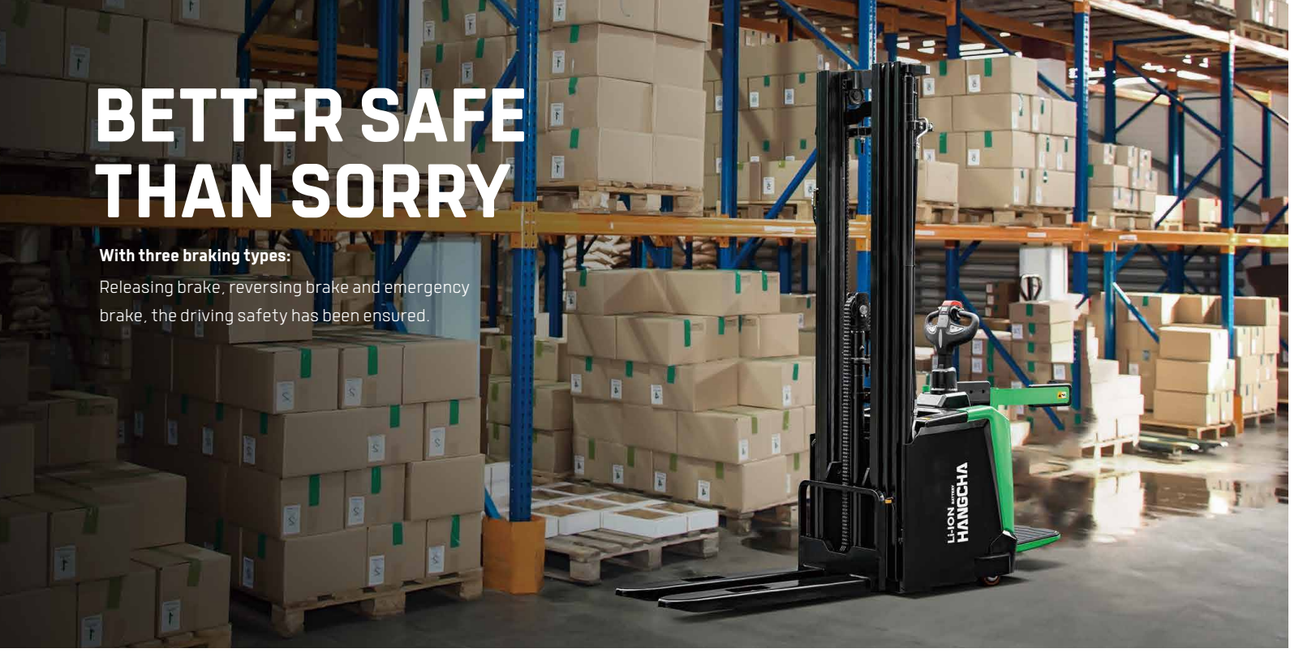
- The power plug is fixed on the truck body to prevent damage to the plug when lifting the battery.
- The battery is securely fixed, and the battery cover is supported by soft materials, reducing the vibration and noise generated during operation.
- The hydraulic power unit is low noise, low vibration,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

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.

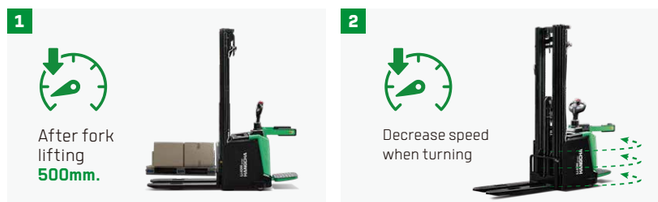
The rear cover can be completely opened, and the components are clear at a glance, making the maintenance of the truck very convenient.



BETTER SAFE THAN SORRY

With three braking types:

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



ADVANCED SAFETY FEATURES

1. The standard feature of automatic speed reduction after the fork lifting by 500mm.
2. The standard cornering deceleration function is safer.
3. Lifting buffering with stepless lifting control.(Opt.) The option excludes the model equipped with the J1 controller.
4. Soft landing system, the speed of lowering is automatically reduced when the fork is less than 100mm from the ground, effectively protecting the safety of the cargo. (only available for duplex mast)
5. Standard equipment includes a height limit of 1.8m for lifting, with the ability to continue lifting after the safety barrier is retracted, ensuring convenience for personnel to escape in case of high-altitude cargo falling.

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.

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

FAST STRONG SMART

LI-ION TECHNOLOGY

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

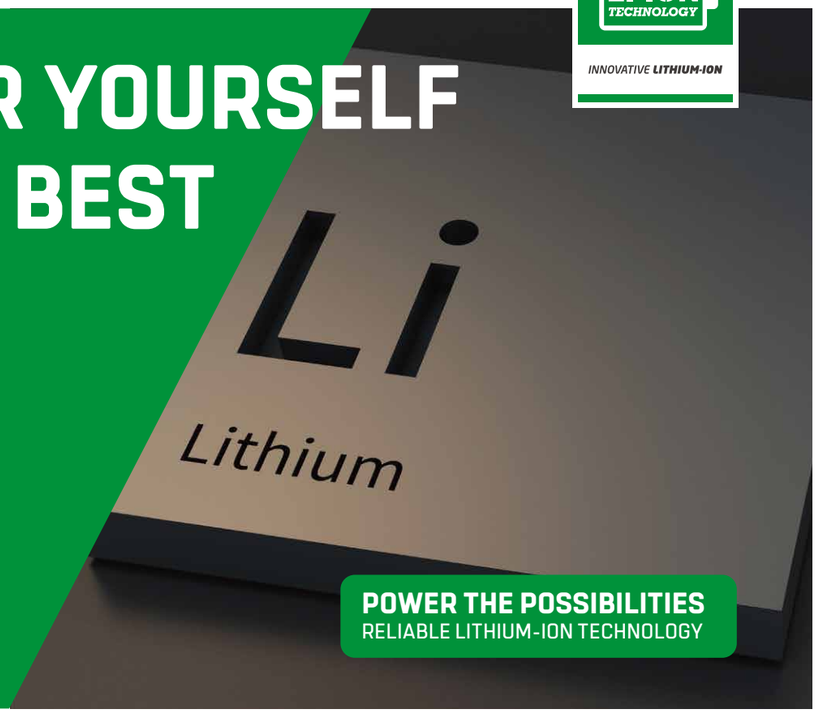
6 YEARS WARRANTY

LITHIUM POWERED

LI-ION TECHNOLOGY

INNOVATIVE LITHIUM-ION

EMPOWER YOURSELF WITH THE BEST



V24 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.

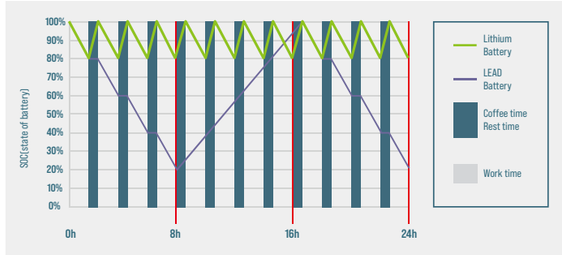
High energy density

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

FEATURES & BENEFITS THE HANGCHA DIFFERENCE

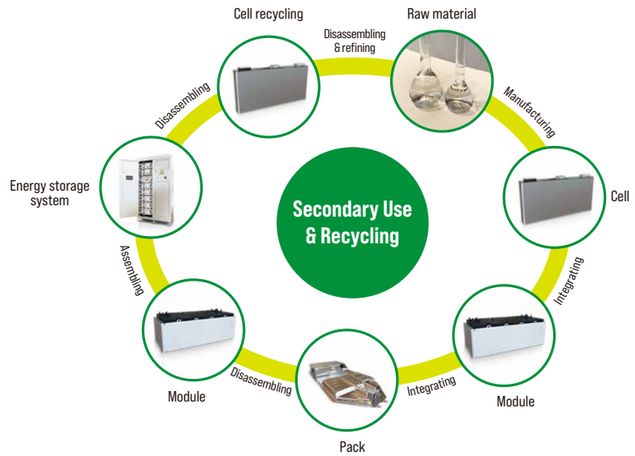
Efficiency

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

Features

Truck	Standard	Options
24V AC asynchronous drive motor	●	
AC controller	●	
Hydraulic power unit	●	
Key switch	●	
Polyurethane drive wheel	●	
Fork length: 1150mm	●	
Distance between fork-arms: 570mm	●	
Fork surface from the ground: 90mm	●	
Height lifting limit of 1.8m	●	
Lifting buffering & Stepless lifting control		○
Additional wheel	●	
Dual load wheels	●	
USB Power Supply		○
Stepless lowering speed control	●	
Turning deceleration	●	
A full range of fork lengths		○
Distance between fork-arms: 600/680mm		○
Various mast lift height (see the table of mast parameters)		○
Load backrest		○
Protective hood of mast		○
Battery side roll out		○
Controls and instruments		
EPS (Electric Power Steering) system	●	
Multifunctional instruments	●	
Non-contact interlock switch	●	
Multifunctional handle	●	
Safety		
Emergency shut-off switch	●	
Horn	●	
Other		
Automatic charger		○

Optional Lead Acid Battery List

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

Optional Lithium Battery List

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

Note: ● Battery; ○ Battery Opt;