HANGCHA

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ISO14001:2015

ISO9001:2015

HANGCHA trucks conform to the European Safety Requirements.

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A Series High Range Stand-on Pallet Stacker With Reach Fork

with capacities of 1,200 to 1,600kg

The World of Hangcha

HANGCHA

LITHIUM POWERED



LI-ION TECHNOLOGY

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

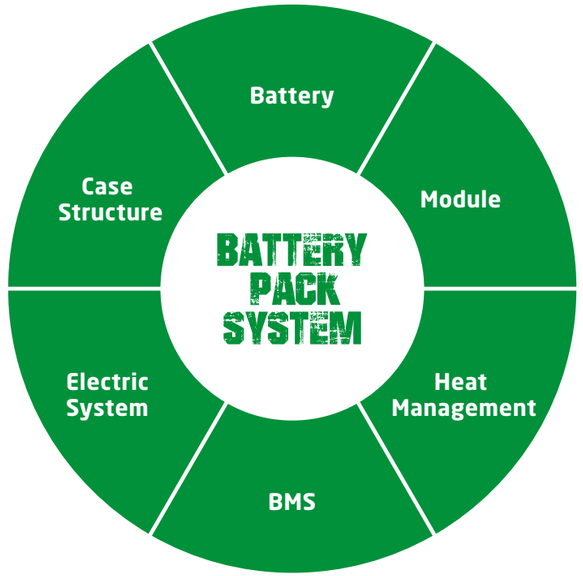
CHARGING 4000 CYCLES DISCHARGE

5 YEARS WARRANTY

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 ℃ 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.

Li-Ion Battery Pack specification

Type		CQDB12-AC1S-IJ	CQDB16-AC1S-IJ
Li-Ion battery	V/Ah	24/120	24/120
Li-Ion battery,Optional	V/Ah	24/202	24/202
Titans charger		SPC-24100	SPC-24100

A Series High Range Stand-on Pallet Stacker With Reach Fork

The A series pallet stacker with reach fork moves goods forward and backward with a scissor fork extension system. It acts as a counterbalanced stacker when its fork is extended, which can handle non-standard pallets, enclosed pallets, and enclosed shelves easily; and acts as a straddle stacker when its fork is retracted, which can operate flexibly in narrow passage.

Easy/ Efficiency/ Economy

Reliability

/ All plug connectors are imported and waterproof, and all cables have reliable protection, which increases reliability of electrical system significantly.
/ Non-contact proximity switch features long service life and reliable operation.
/ Power plug is fastened to truck body, which can avoid damage of plug due to impact when battery is lifted for installation.
/ Flexible connections of the battery can avoid disconnection fault of battery because of lasting vibration.



High Performance

/ EPS (Electric Power Steering)system offer easier and more flexible operation.
/ The AC driving motor features excellent acceleration performance, outstanding climbing ability, low heat emission, and is brushless, and maintenance-free.
/ The latest CURTIS AC / ZAPI AC control system realizes accurate and stable control, and higher efficiency.
/ The CANBUS structure makes communication of the entire machine faster and more reliable.
/ Regenerative brake of the truck prevents it from sliding on a slope.
/ Switches, plug connectors, meters, and other important parts are all imported from abroad, with excellent performance and reliable quality.
/ Fork tilting function, and load backrest realize safer loading and unloading of goods.
/ The hydraulic power unit features low noise, small vibration, and stable and reliable lifting and lowering.

Comfort

/ The vibration-reduction design of the pedal reduces fatigue of long-duration operation.
/ New designed tiller has beautiful appearance, and function buttons for comfortable operation.
/ The standard configuration of tortoise speed driving function allows the truck to move at slow speed more easily.

Safety

/ Traveling speed will be automatically reduced after fork lifting 500mm.
/ Turning speed is automatically reduced when steering.
/ The integrated stamping molded guardrail offers better protection for the operator.
/ Release braking, reverse braking and emergency braking can ensure safety of traveling.
/ Anti-sliding function on slope can ensure safety of operation.
/ The belly button on top of operating tiller can avoid the driver from injury effectively.
/ The soft landing system reduces lowering speed automatically when height from ground to fork is less than 100mm, which provides effective protection for goods.



Multi-function tiller



Forks move forward by the scissor structure



Back cover can be opened fully



Proportional controlled forks can be operated more accurately

Maintenance

/ The brushless, maintenance-free AC driving motor reduces operation cost significantly.
/ The meter integrating battery indicator, timer, and fault self-diagnosis is convenient for maintenance.
/ Back cover can be opened fully, and all components and parts are clear at a glance, which is very convenient for maintenance of the entire machine.

Options

/ Mast height: 2500-4500mm for duplex mast, 3500-5500mm for triplex mast
/ Various fork lengths
/ Sideshift move LH/RH:60mm

Standard specification

/ AC driving motor
/ CURTIS / ZAPI controller for traction motor
/ Controller for pump motor
/ EPS(Electric Power Steering) system
/ Automatic deceleration at turns
/ Proportional speed regulation for all fork operations
/ Pedal and guardrail
/ Emergency power off switch
/ Multi-function battery condition meter
/ High-performance loading wheels
/ Fork length 1070mm
/ Traveling speed will be atuomatically reduced after fork lifting 500mm
/ Adjustable outer distance of forks within the range of 200-896mm
/ Battery capacity: 280Ah for 1.2t model, 340Ah for 1.6t model
/ Fork tilt forward / backward 3°/5°
/ Load backrest
/ 2.7m duplex mast with double lifting cylinders
/ Soft landing system
/ Multi-function tiller
/ Reach distance of fork:590mm

