



XH SERIES HIGH-VOLTAGE LITHIUM BATTERY FORKLIFT

with capacity of 38,000 to 48,000kg



ZHEJIANG HANGCHA IMP. & EXP. 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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ISO14001
ISO14001:2015



ISO9001
ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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The World of Hangcha



XH SERIES HIGH-VOLTAGE LITHIUM BATTERY FORKLIFT

Independently developed by Hangcha on the basis of decades of deep understanding of electric forklifts and internal combustion forklifts, XH series high-voltage counterweight lithium battery forklifts are a new series of high-voltage counterweight lithium battery forklifts that first use a new energy vehicle voltage platform and represent a breakthrough over the traditional design concept. Representing a redefinition of electric forklifts in terms of efficiency, power, reliability, etc., XH series forklift models have performance and operating condition completely superseding that of the internal combustion forklifts.

VOLTAGE

618 V

100% CHARGE FOR

1 Hour

WATER RESISTANCE

IPX4

SPEED MODELS

3

PROTECTION RATE

IP67

Stylish appearance

/ With the inherited exterior design of X series internal combustion forklifts and a smooth and sturdy profile, the whole vehicle is stylish, sturdy and powerful, showing modern industrial aesthetics.

THE *Plus*
FOR YOUR
BUSINESS



FASTER & MORE EFFICIENCY.

Compared with low-voltage lithium battery forklifts, high-voltage lithium battery technology can save about 40% of the overall cost during the service cycle.

40%

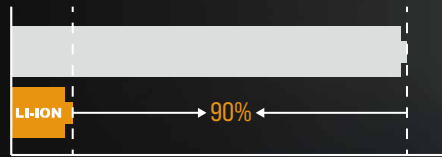
Low Voltage Lithium Battery Forklift
Hangcha High Voltage Lithium Electric Forklift



Compared with fuel forklifts, high-voltage lithium battery technology can save about 90% of the overall cost during the service cycle.

90%

Fuel Forklift
Lithium Electric Forklift



4000

CYCLES OF CHARGING

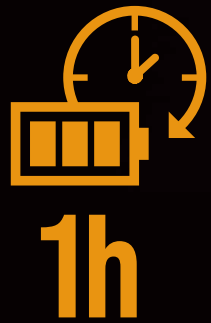


Under normal charging and discharging conditions, the lithium battery of Hangcha products has a capacity retention rate of more than 75% and a life span of up to 10 years after 4000 cycles of charging and discharging.

Through disruptive battery and fast charging technology, the charging time is greatly shortened.

Fast charging makes it possible for the whole vehicle to work continuously, shortening the waiting time and greatly improving efficiency.

Get the battery fully charge:



Hangcha High Voltage Electric Forklift



Electric Forklift

HIGH-VOLTAGE

422.9Kwh

Battery capacity



ULTRA LONG BATTERY LIFE

- / A large-capacity lithium battery for the standard configuration can meet the long battery life need.
- / Both the drive and operating systems are efficient and energy-saving vehicle-grade permanent magnet synchronization systems.
- / High-voltage platform, less vehicle current and minimal system heat loss.
- / Braking energy recovery effectively prolongs operating time.



A double-motor walking system increases the range of high efficiency and saves energy significantly.



Advancement

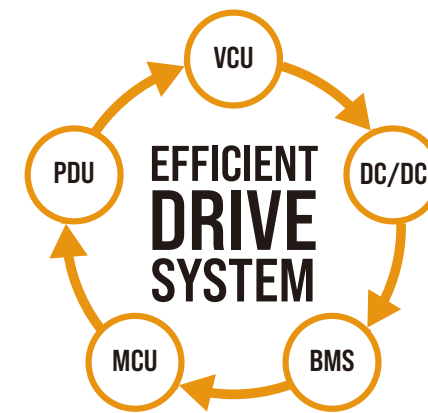
A high-torque permanent magnet synchronous motor provides strong power for the vehicle with performance indicators benchmarked against that of internal combustion forklifts.

618V

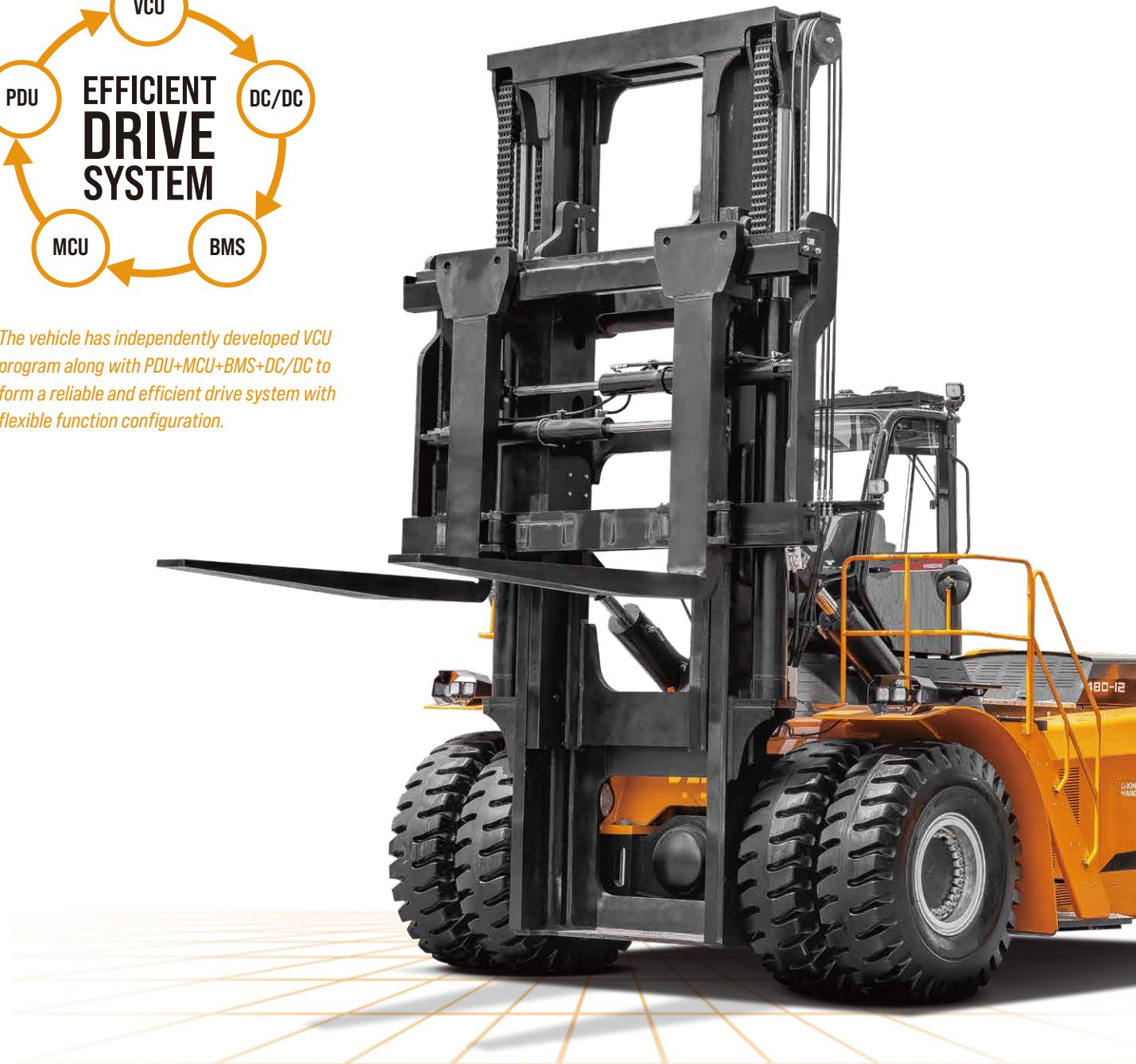
A high-voltage platform with low system loss, a standard chilled water tank for heavy-duty truck to achieve good heat dissipation.



With motor, electric control and battery adopting liquid-cooling heat dissipation, the forklift can absolutely carry out long-time and high-intensity operations as internal combustion forklifts.



The vehicle has independently developed VCU program along with PDU+MCU+BMS+DC/DC to form a reliable and efficient drive system with flexible function configuration.



Intelligence

- / A vehicle central controller is provided, which has bus architecture, several built-in diagnosis and management functions and a central fault alarm function.
- / An optional intelligent management system is provided to enable intelligent remote monitoring and easier equipment management and logistics management.



Maintainability

- / The overturnable cab and electric tipping cylinder make tipping easier and more labor-saving.
- / The wide-opened hood and removable cover better facilitate repair and maintenance of electrical components.

SAFE AND RELIABLE

- / The cover of the vehicle is designed to be sealed to the water resistance level of IPX4.
- / The electrical system has high-voltage interlocking, insulation monitoring and potential balancing functions to offer vehicle-grade safety.



Key structural parts have been verified highly reliable by the market for many years while being used by internal combustion forklifts.



All the motor and electronic controls reach the dust and water resistance level of IP67, a high protection level adequate to withstand harsh operating environments.



The high-voltage lithium battery is equipped with an automatic fire extinguisher for the standard configuration. The vehicle is equipped with a pipe network automatic fire extinguisher for the standard configuration.



A turning deceleration function effectively reduces risk of tipping over.



Both the battery and junction box have MSD maintenance switches to enable one-click power-down and safer maintenance.

Features

Truck	Standard	Options
Duplex wide-view mast	●	
Fully hydraulic power steering	●	
Water chilling unit for lithium battery	●	
Traction device	●	
Oil-resistant tread tire	●	
Standard lithium battery box	●	
Standard fork	●	
Fork positioner-equipped side shift fork	●	
Pneumatic tire	●	
Forks of other specifications		○
Solid tire		○
Cab		
Cab	●	
Multi-direction adjustable armrest	●	
Steering wheel adjusting device	●	
Standard seat	●	
Cooling and heating air conditioner	●	
Chair sensing system	●	
Electrically-controlled joystick	●	
Vehicle intercom		○
Controls and instruments		
LCD bus instrument	●	
Multifunctional color-screen instruments	●	
Neutral gear switch	●	
VCU controller	●	
Emergency shut-off switch	●	
MSD maintenance switch	●	
Weighing system		○
Cloud intelligent management system		○
Safety		
Hydraulic oil filter alarm	●	
Snail horn	●	
Visual reversing radar	●	
Accumulator low pressure alarm	●	
Automatic fire extinguisher for lithium battery	●	
Rearview mirror	●	
Reversing buzzer	●	
Reverse voice buzzer		○
Fire extinguisher (2kg/4kg)		○
Speed limit alarm		○
Turning deceleration		○
Maintenance		
Maintenance-free 24V lead-acid battery	●	
Cab electric tipping	●	
Maintenance reminding	●	
Tire pressure monitoring		○
Driving record system		○
Central lubrication system		○
Lights		
Alarm light	●	
Vehicle LED lights	●	
Mast LED light	●	
Blue light		○
Acoustic and optical alarm light		○
Other		
Self-locking valve in the tilting fuel circuit	●	
Neutral indicator	●	
Speed limit valve in the lifting fuel circuit	●	
Vehicle toolkit	●	
Quad multiway valve	●	
User specified color		○