



# A Series 3 Wheel Electric Forklift Truck

with capacities of 1,300 to 2,000kg



**HANGCHA GROUP CO., LTD.**

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

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

sales@hcforklift.com  
www.hcforklift.com



Follow us on Facebook



Follow us on YouTube



Follow us on WeChat



Download "Hangcha Forklift" App



ISO 9001  
ISO 9001:2015



ISO 14001  
ISO 14001:2015



ISO 20001  
ISO 9001:2015



HANGCHA trucks conform to the European Safety Requirements.

2015 VERBODEN TOEGANG TOT DEZE TOEGANG

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.

*The World of Hangcha*





# LET THE LITHIUM POWER BE REVEALED



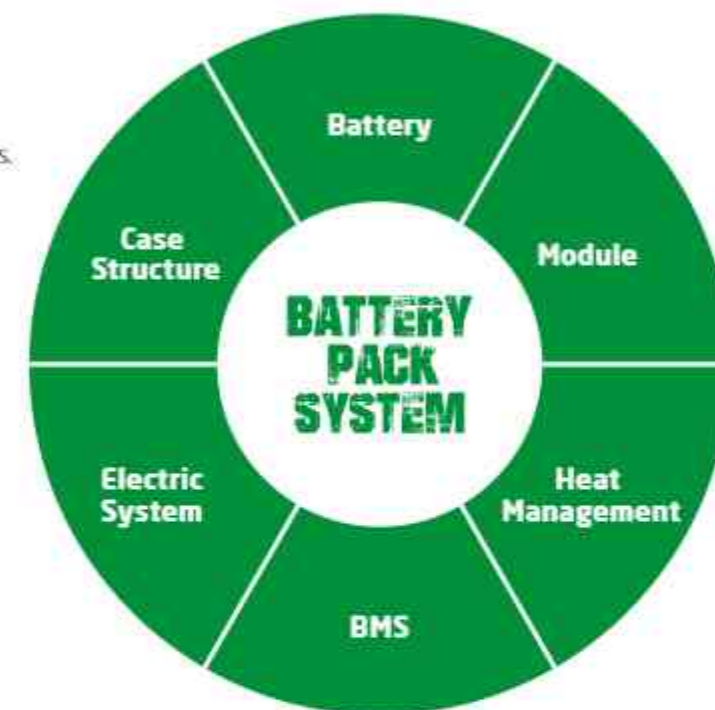
Customer can order A series 3W 1.6-2.0t with lithium battery power from HANGCHA now.

Lightweight design, flexible, high level of energy efficiency, maintenance-free, provide long service life.

**6 YEARS  
WARRANTY**

## INNOVATIVE SOLUTIONS NEW POWER NOW

- / 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 500 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 75%.
- / 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

Manufacturers type designation		CPDS16-ADBG-1 CPDS16-ACBG-1 CPDS16-ACB01-1	CPDS18-ADBG-1 CPDS18-ACBG-1 CPDS18-ACB01-1	CPDS20-ADBG-1 CPDS20-ACBG-1 CPDS20-ACB01-1
Battery voltage, capacity	Wh	51.5/2500	51.5/2500	51.5/2500
Battery weight	kg	270	270	270

Note: CE model





## Appearance

- / Compact design meets the limited space operation requirement. Eyeball catching designed smooth outline and metal material applied for exposed parts, all provide robust construction of the A series three-pivot electric counterbalance forklift truck.

## Maneuverability

- / Front dual separated driving motors can realize the wheels forward or backward independently, the small turning radius is suitable for narrow channel; Imported reducer, high power driving motor provides a reliable and strong performance.

## High Efficiency

- / High power pump motor and low noise gear pump, both improve the lifting speed and work efficiency.
- / Regenerative braking during deceleration is more energy saving and effectively.

## Comfort

- / Thanks to the new designed adjustable levers, the operator can work more comfortable. New designed dashboard is easy to see and provides friendly human-computer interaction and with running hours, self diagnosis functions and the battery power show.
- / Both the steering column and seat can be adjusted easily, every operator can find the best driving position.
- / Low vibration and suspension seat reduce the driver's fatigue.

## Stability

- / Sinking type battery layout provides good stability especially during cornering.
- / The soft landing system protects the forks from dashing against the ground.

## Safety

- / Emergency switch is standard specification which meets the Euro safety regulation.
- / Both electronics and hydraulic system are equipped with overloading protection system.
- / Driving speed is automatically reduction during cornering.

## Maintenance

- / Full opened battery cover is easy for battery service and changing.
- / The service engineer can remove the front floor board without any tool, it is convenient for the maintenance.

## Advance

- / World famous controller, connectors, battery plug and emergency switch are applied to ensure the reliability of the performance and provides easy service.
- / High frequency MOSFET integrated control system provides accurate control of travelling, lifting and better adjustable performance that better matches with the motor. No roll-back on ramp is also provided thanks to MOSFET controller. Motor brake is for regenerative braking during deceleration, direction changing, and downward slope.

## Standard Specification

- / High efficiency AC driving motor
- / Multi-functions instrument
- / Front dual driving motors
- / Rubber floor mat
- / Solid tyre
- / Emergency disconnect switch
- / 2-valve inside chassis
- / LED headlight
- / Rear combination LED light
- / Panoramic rearview mirror (in the middle position of the overhead guard)
- / 3 meters duplex wide view mast
- / Adjustable steering column
- / Full electronic controlled travelling, lifting and steering
- / Horn and reversing buzzer
- / File folder
- / CAN-BUS system
- / Low noise gear pump (Brand: Shimadzu, Made in Japan)
- / Full hydraulic steering
- / Soft landing system
- / Non suspension seat: Grammer GS12 with switch
- / ZF reducer

## Options

- / 3rd or 4th hydraulic function
- / 2.5-4.5 meters duplex mast
- / 4.3-6.5 meters triplex mast
- / Rear working LED light
- / Reversing assist grip with horn button
- / Integrated sideshifter
- / Other attachments
- / Other dimension forks
- / Special carriage and backrest
- / Big capacity battery
- / CATL lithium battery pack
- / Toolbox
- / Non-marking tyre
- / Battery charger
- / Battery side roll-out (Using pallet truck or trolley)(Not for Lithium battery)
- / Fingertip control on the adjustable armrest
- / Cold store protection(Not for Lithium battery)
- / Suspension seat
- / Full closed cabin
- / Socket for other equipment
- / Blue spot light
- / OPS system



Front dual separated motors



Panoramic rearview mirror



Cover can be easily opened by adjusting the levers forward



The small turning radius is suitable for narrow channel