

LI-ION
TECHNOLOGY

INNOVATIVE LITHIUM-ION



A Series 3 Wheel Electric Forklift Truck

with capacities of 1,300 to 2,000kg



HANGCHA

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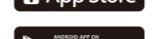
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ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform
to the European Safety
Requirements.

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The World of Hangcha

HANGCHA



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

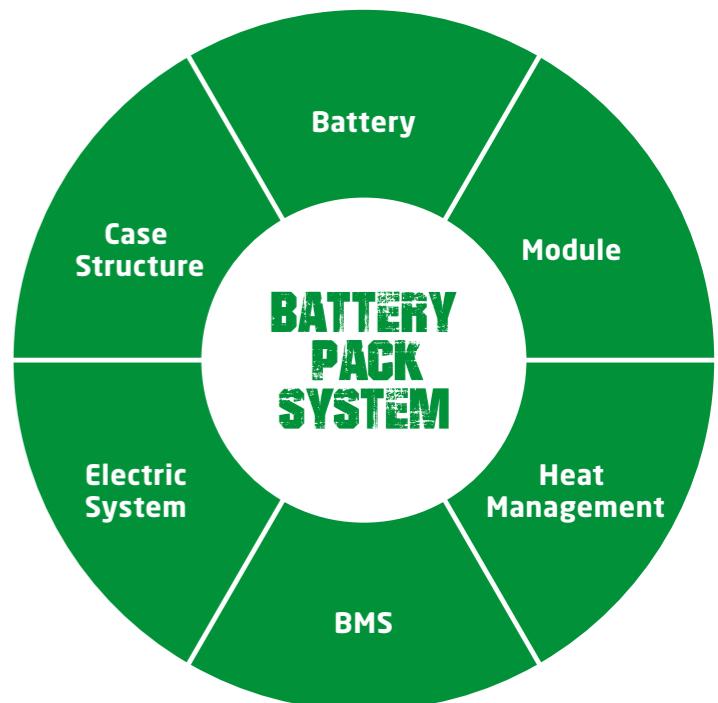
- / We use square lithium iron phosphate batteries and modules used in large quantities by commercial vehicles in mature economies.
- / The module uses an aluminum alloy frame which is sturdy, lightweight and with excellent heat dissipation.
- / Safe and effective: Charging efficiency as high as 98%, thermal runaway temperature 600 °C 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-AD8G-I* CPDS16-AC8G-I* CPDS16-AC8B1-I	CPDS18-AD8G-I* CPDS18-AC8G-I* CPDS18-AC8B1-I	CPDS20-AD8G-I* CPDS20-AC8G-I* CPDS20-AC8B1-I
Battery voltage, capacity	V/Ah	51.52/500	51.52/500	51.52/500
Battery weight	kg	270	270	270

Note: * CE model



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.

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



Front dual separated motors



Panoramic rearview mirror

Safety

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

Options

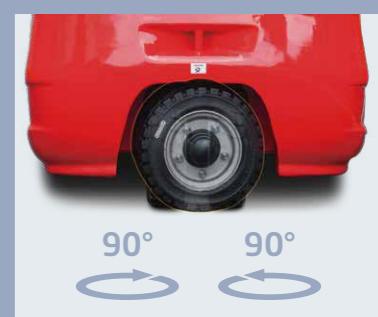
- / 3rd or 4th hydraulic function
- / 2.5-4.5 meters duplex mast
- / 4.3-6.5 meters triplex mast
- / Rear working LED light
- / Reversing assist grip with horn button
- / Integrated sideshifter
- / Other attachments
- / Other dimension forks
- / Special carriage and backrest
- / Big capacity battery
- / 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



Cover can be easily opened by adjusting the levels forward

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.



The small turning radius is suitable for narrow channel

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 matchs 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.