A Series 3 Wheel Electric Forklift Truck

with capacities of 1,300 to 2,000kg

PT SOLUSI INDO PERDANA
BE PRODUCTIVE, BE SOLUTIVE FOR MATERIAL HANDLING

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The World of Hangcha

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HANGCHA

LITHIUM POWERED

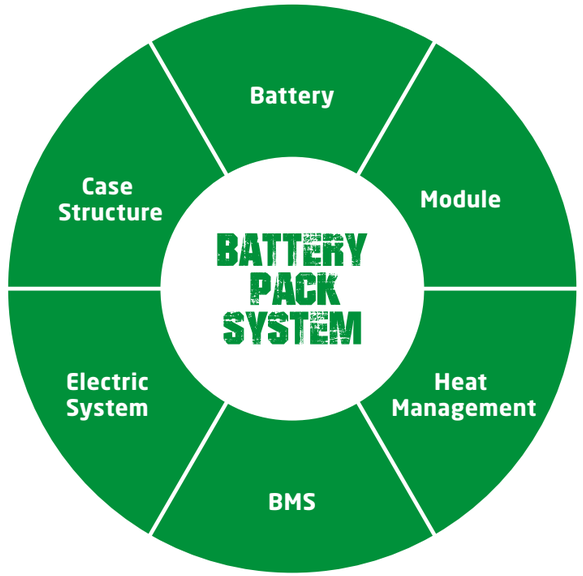
LI-ION TECHNOLOGY

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 ℃ 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

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 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.

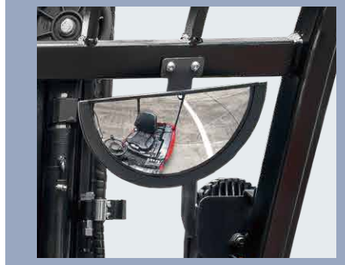
Standard Specification

/ 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

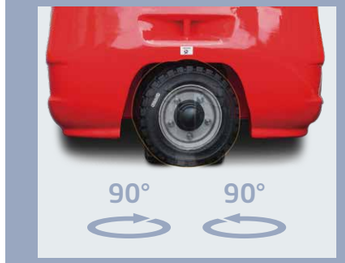
/ 3rd or 4th hydraulic function
/ 2.5-4.5 meters duplex mast
/ 4.3-6.5 meters triplex mast
/ Rear working LED light
/ Reversing assist grip with horn button
/ Integrated sideshifter
/ Other attachments
/ Other dimension forks
/ Special carriage and backrest
/ Big capacity battery
/ CATL lithium battery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



The small turning radius is suitable for narrow channel