

## CPD60/70/85/100 GB2D/GB2DLI



# HELI



**6-10 t**  
G3 Series Electric Battery  
Forklift Truck



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# Compatible in system, Special in style

----- It is rather to achieve mutual achievement  
than give an ostentatious display of ability.

## Compatible

Lithium battery and lead acid  
battery are optional as you like.

## Integrated

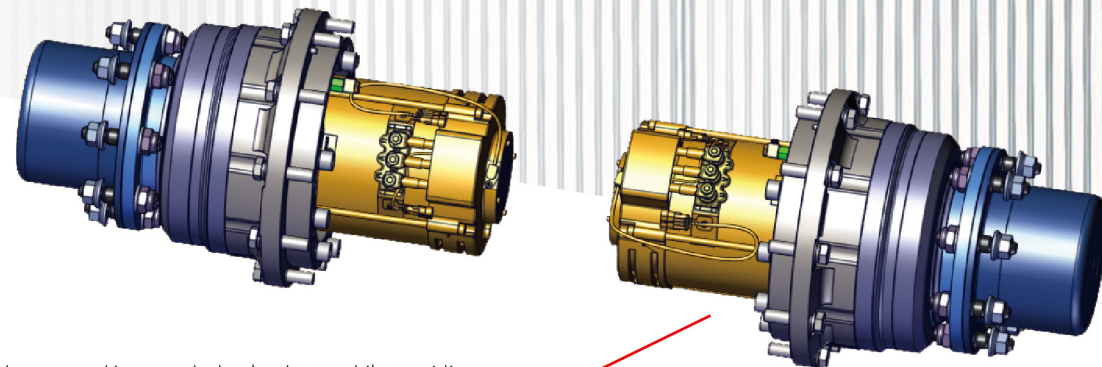
Combine the humanization design advantages of both  
internal combustion forklift truck and electric truck.



The truck is a continuation of HELI family style and creates a new concept of electric forklift  
through easy exchange between lead acid battery power and lithium battery power

## Efficient and Energy saving

- Powerful dual drive, superior gradeability.



Dual drive power, imported motor and imported wheel reducer, while providing strong power, further improve the safety and stability of the truck.



Driving speed:  
6-7t: **15-16km/h**  
8.5-10t: **13-15.5km/h**



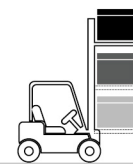
Maximum gradeability with load:  
6-8.5t: **18%**  
10t: **15%**



Maximum lifting speed with load:  
6-7t: **0.32m/s**  
8.5-10t: **0.255m/s**

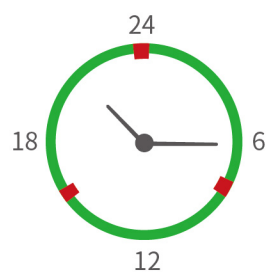


Maximum lifting speed without load:  
6-7t: **0.46m/s**  
8.5-10t: **0.350m/s**



Good bearing capacity  
at high position

- Double gun charging, fast and efficient.



Working time  
Charging time  
(Charging between shifts)



Lithium battery forklift truck is equipped with double gun charging as standard, which greatly reduces the charging time. Lithium batteries have high-density capability and can be used and charged at any time to realize efficient and continuous operation all day long.

### Lithium battery options:

- 606Ah capacity (standard configuration):** which can be charged for 8 hours at one time, suitable for light load condition;
- 813Ah capacity:** one charge can meet 8-9 hours of operation, suitable for standard working conditions;
- 1084 Ah capacity:** one charge, suitable for 9-10 hours operation, suitable for heavy load strengthening conditions.
- 808Ah capacity (8.5-10t Lithium battery options):** one charge can meet 8-9 hours of operation, suitable for standard working conditions;

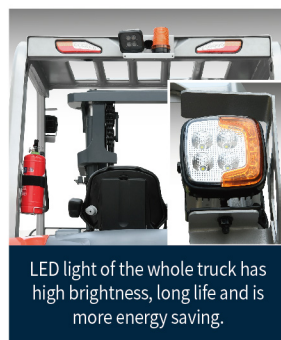
- Multi configuration, low energy consumption.



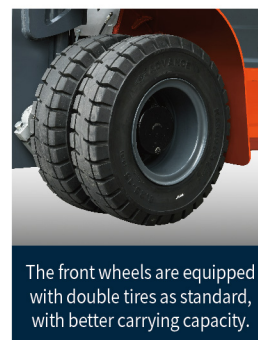
Parking brake button  
with two color model is  
easy to operate.



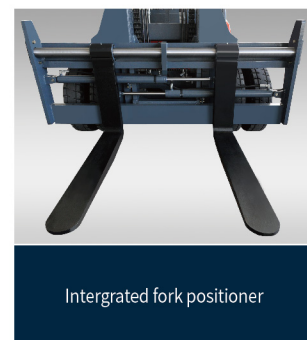
Independent steering system  
supplies oil for steering on  
demand and reduces truck  
energy consumption.



LED light of the whole truck has  
high brightness, long life and is  
more energy saving.



The front wheels are equipped  
with double tires as standard,  
with better carrying capacity.

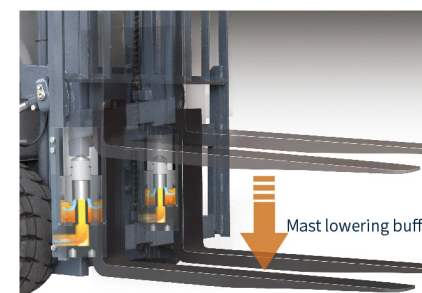
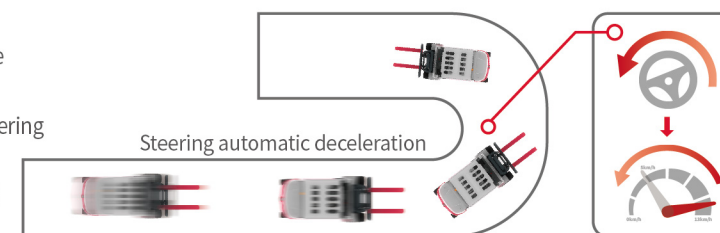


Integrated fork positioner

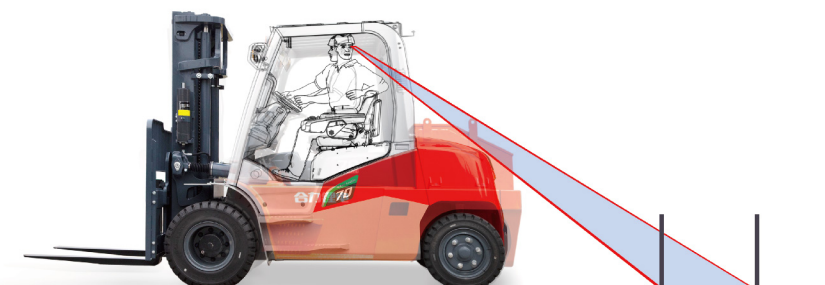
**Gradient**  
6-8.5t: **18%**  
10t: **15%**

## Intelligent and Safe

- Intelligent automatic parking:** optimized negative braking system and active parking in multiple applications are safe and easy which is safe and easy to make up omissions;
- Intelligent turning speed limit:** active speed limit function, balance efficiency and safety when turning at high speed;
- Intelligent limit buffer:** intelligent induction of mast lifting and lowering avoids limit impact and is safe and comfortable;
- Intelligent operation protection:** a full set of OPS system can avoid misoperation and ensure safety;
- Intelligent control strategy:** dual core controller is in line with the latest EU safety requirements.



Compared with the same tonnage electric truck and internal combustion truck: the rear view of electric truck is better, and the blind area of view is smaller than that of internal combustion truck.



The rear view is optimized and the operation safety is improved.



Full suspended seat is more comfortable to drive.

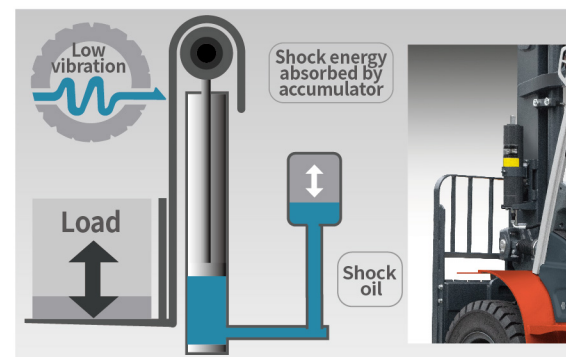
## Comfort and Intimate

- The mast with large opening offers good driving vision ensuring operation comfort and safety.
- It integrates the advantages of internal combustion forklift truck platform to make the driving space more comfortable.
- Standard imported silent gear pump, greatly reduce the ear noise.

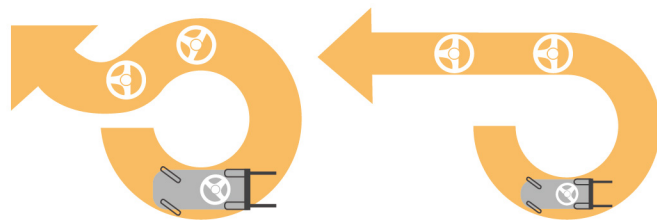


Optional configuration of intelligent safety buffer system cushion operator from effects of riding over uneven surface and it is more comfortable.

- **Vibration shock reduction**  
When driving under load conditions, the impact caused by uneven surface is greatly absorbed, and the vibration is effectively reduced.
- **Vibration and noise reduction**  
When driving under load condition, the impact noise caused by uneven surface is greatly reduced.
- **Reduced driving fatigue**  
During the emergency stop operation during the load lowering process, the vibration and driving fatigue caused by inertia impact can be effectively reduced, and the driving safety can be improved.



- Hydraulic synchronous steering system can adjust steering wheel and wheel angle offset smartly and offers accurate steering and comfortable driving. (optional)
- Color screen display which can switch between Chinese and English, display truck speed, working time, battery power, fault code and other information.



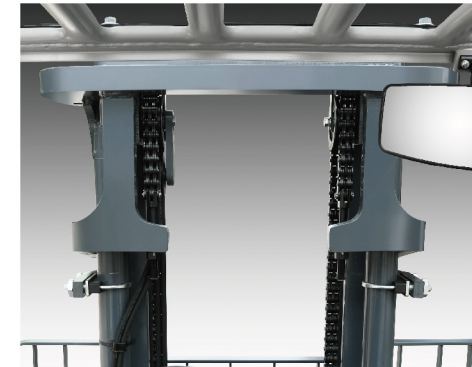
Without synchronous control function

With synchronous control function



## Stable and Reliable

- Imported drive axle and motor are stable and reliable.
- Wet negative braking is safe and reliable.
- The innovative design of mast structure improves the overall strength and stiffness.
- The structural design of the welded large oil tank greatly improves the strength of the frame and the heat dissipation of the hydraulic oil.
- The whole truck can be operated alternately in -20°C cold storage for 6 hours and parked in the cold storage for 12 hours without failure and can continue to work.
- New design of steering axle is safe and reliable.



## Convenient and Maintenance

- The layout of the cab is optimized, the battery is located directly under the engine room, and the hood opening angle is large, which facilitates daily inspection and maintenance.
- The controller is located on the counterweight, giving consideration to heat dissipation and maintenance convenience.
- The battery side changing is installed for easy changing between lead-acid battery and lithium battery as you like meet the needs of different customers and occasions.

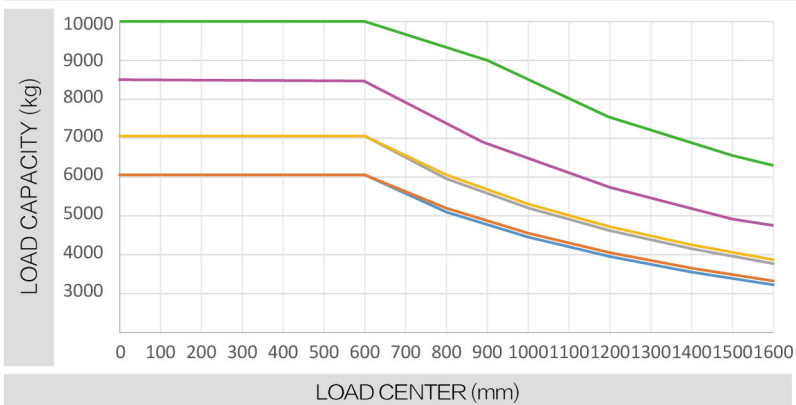
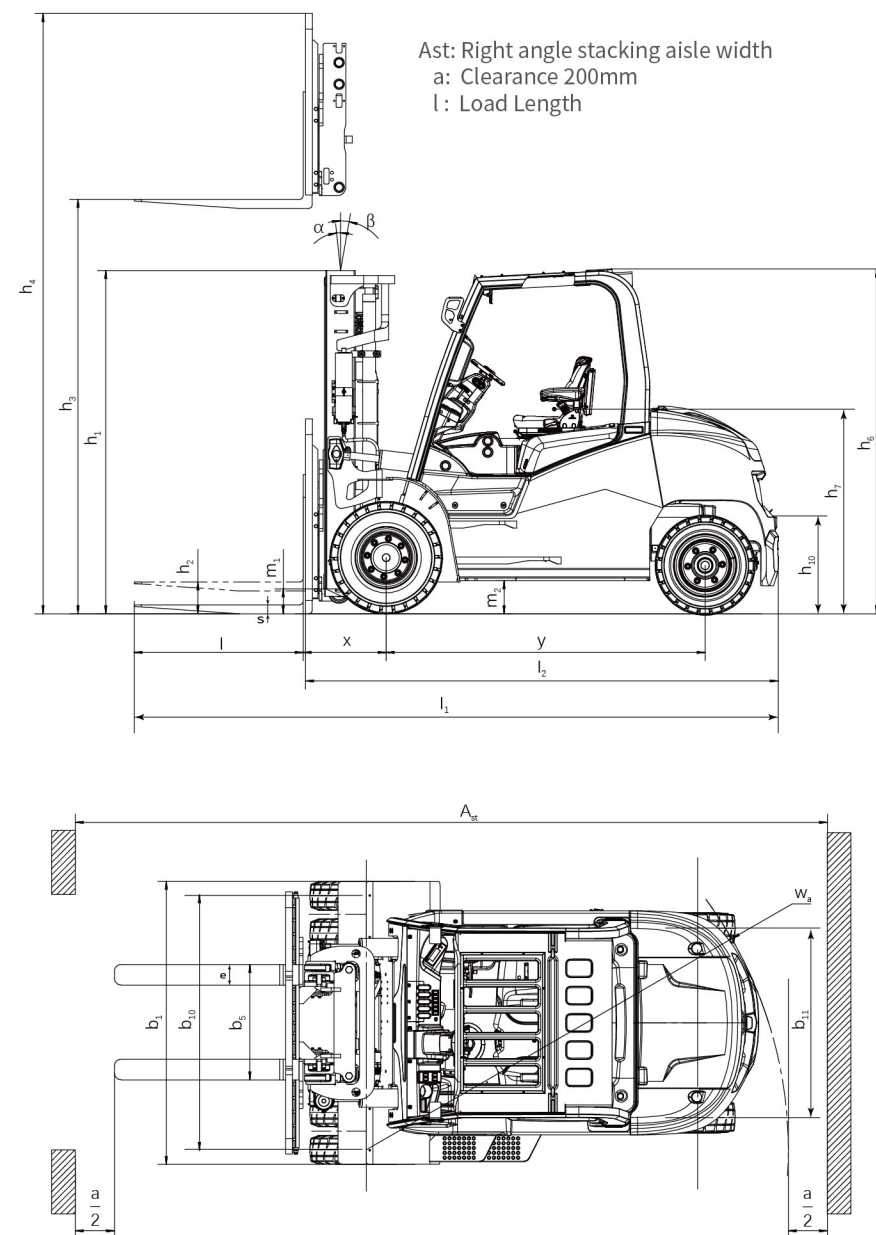


### HELI smart fleet management system(domestic basic edition)

|                      |                                       |
|----------------------|---------------------------------------|
| Vehicle positioning  | Statistical form                      |
| Remote diagnosis     | Vehicle management                    |
| Remote monitoring    | Identification recognition (optional) |
| Maintenance reminder | Weight management (optional)          |
| Battery management   | Collision management (optional)       |



| Manufacturer and Technical Data (2) |                                                                    |       |      |             |             |             |             |
|-------------------------------------|--------------------------------------------------------------------|-------|------|-------------|-------------|-------------|-------------|
| Characteristics                     |                                                                    |       |      |             |             |             |             |
| 1.01                                | Manufacturer                                                       |       |      | HELI        |             |             |             |
| 1.02                                | Model                                                              |       |      | CPD85       | CPD85       | CPD100      | CPD100      |
| 1.03                                | Configuration number                                               |       |      | GB2D*       | GB2DLI*     | GB2D*       | GB2DLI*     |
| 1.04                                | Rated capacity                                                     | Q     | kg   | 8500        | 8500        | 10000       | 10000       |
| 1.05                                | Load center distance                                               | c     | mm   | 600         | 600         | 600         | 600         |
| 1.06                                | Power mode                                                         |       |      | Electric    | Electric    | Electric    | Electric    |
| 1.07                                | Driving mode                                                       |       |      | Seated      | Seated      | Seated      | Seated      |
| 1.08                                | Front overhang                                                     | x     | mm   | 650         | 650         | 660         | 660         |
| 1.09                                | Wheelbase                                                          | y     | mm   | 2400        | 2400        | 2580        | 2580        |
| Weight                              |                                                                    |       |      |             |             |             |             |
| 2.01                                | Total weight (with/without battery)                                |       | kg   | 13620/11332 | 12660/12300 | 14780/12490 | 14060/13260 |
| 2.02                                | Axle load (laden,front/rear)                                       |       | kg   | 19665/2435  | 18930/2245  | 22560/2220  | 19880/2050  |
| 2.03                                | Axle load (unladen,front/rear)                                     |       | kg   | 6850/6790   | 6080/6620   | 7675/7105   | 6980/7080   |
| Tyres                               |                                                                    |       |      |             |             |             |             |
| 3.01                                | Tyre type                                                          |       |      | Solid tyre  | Solid tyre  | Solid tyre  | Solid tyre  |
| 3.02                                | Tyre size,front                                                    |       |      | 8.25-15     | 8.25-15     | 8.25-15     | 8.25-15     |
| 3.03                                | Tyre size,rear                                                     |       |      | 250-15      | 250-15      | 250-15      | 250-15      |
| 3.04                                | Wheels,number front/rear (x=driven wheels)                         |       |      | 4x/2        | 4x/2        | 4x/2        | 4x/2        |
| 3.05                                | Tread, front                                                       | b10   | mm   | 1686        | 1686        | 1686        | 1686        |
| 3.06                                | Tread, rear                                                        | b11   | mm   | 1370        | 1370        | 1370        | 1370        |
| Dimensions                          |                                                                    |       |      |             |             |             |             |
| 4.01                                | Mast tilt angle (forward/backward)                                 | α/β   | °    | 6/9         | 6/9         | 6/9         | 6/9         |
| 4.02                                | Height (mast lowered)                                              | h1    | mm   | 2700        | 2700        | 2950        | 2950        |
| 4.03                                | Free lifting height                                                | h2    | mm   | 200         | 200         | 210         | 210         |
| 4.04                                | Lifting height (standard)                                          | h3    | mm   | 3000        | 3000        | 3000        | 3000        |
| 4.05                                | Max. height,extended (with backrest)                               | h4    | mm   | 4200        | 4200        | 4455        | 4455        |
| 4.06                                | Height of overhead guard                                           | h6    | mm   | 2470        | 2470        | 2470        | 2470        |
| 4.07                                | Seat height relating to SIP (to ground)                            | h7    | mm   | 1460        | 1460        | 1460        | 1460        |
| 4.08                                | Towing coupling height                                             | h10   | mm   | 467         | 467         | 467         | 467         |
| 4.09                                | Overall length (with fork)                                         | l1    | mm   | 4870        | 4870        | 5062        | 5062        |
| 4.10                                | Overall length (without fork)                                      | l2    | mm   | 3650        | 3650        | 3842        | 3842        |
| 4.11                                | Overall width                                                      | b1    | mm   | 2165        | 2165        | 2165        | 2165        |
| 4.12                                | Fork size:thickness x width x length                               | s/e/l | mm   | 70×175×1220 | 70×175×1220 | 80×175×1220 | 80×175×1220 |
| 4.13                                | Fork carriage,according to ISO2328                                 |       |      | -           | -           | -           | -           |
| 4.14                                | Distance across fork-arms, Max./Min.                               | b5    | mm   | 450-1910    | 450-1910    | 470-2100    | 470-2100    |
| 4.15                                | Distance across fork-arms, Max./Min.                               | m1    | mm   | 240         | 240         | 240         | 240         |
| 4.16                                | Ground clearance (center of wheelbase)                             | m2    | mm   | 246         | 246         | 246         | 246         |
| 4.17                                | Right angle stacking aisle width for pallet 1000 x1200mm crossways | Ast   | mm   | 5080        | 5080        | 5210        | 5210        |
| 4.18                                | Right angle stacking aisle width for pallet 800 x1200mm lengthways | Ast   | mm   | 5280        | 5280        | 5410        | 5410        |
| 4.19                                | Min. outside turning radius                                        | Wa    | mm   | 3230        | 3230        | 3350        | 3350        |
| Performance Data                    |                                                                    |       |      |             |             |             |             |
| 5.01                                | Travel speed (laden/unladen)                                       |       | km/h | 14/15.5     | 14/15.5     | 13/15.5     | 13/15.5     |
| 5.02                                | Lift speed (laden/unladen)                                         |       | m/s  | 0.300/0.395 | 0.300/0.395 | 0.255/0.350 | 0.255/0.350 |
| 5.03                                | Lowering speed (laden/unladen)                                     |       | m/s  | 0.430/0.430 | 0.430/0.430 | 0.430/0.350 | 0.430/0.350 |
| 5.04                                | Max.drawbar pull (laden/unladen)                                   |       | N    | 44000       | 44000       | 45000       | 45000       |
| 5.05                                | Max.gradeability (laden)                                           |       | %    | 18          | 18          | 15          | 15          |
| 5.06                                | Acceleration time(10 m)(laden/unladen)                             |       | s    | 5.38/5.84   | 5.38/5.84   | 5.62/6.31   | 5.62/6.31   |
| Battery                             |                                                                    |       |      |             |             |             |             |
| 6.01                                | Battery voltage/Capacity                                           |       | V/Ah | 80/960      | 80/808      | 80/960      | 80/808      |
| 6.02                                | Battery weight (Min./Max.)                                         |       | kg   | 2288        | 800         | 2288        | 800         |
| 6.03                                | Battery,according to DIN                                           |       |      | DIN 43536A  | -           | DIN 43536A  | -           |
| Motor and controller                |                                                                    |       |      |             |             |             |             |
| 7.01                                | Driving motor powering (S2-60min)                                  |       | kW   | 2x17.1      | 2x17.1      | 2x17.1      | 2x17.1      |
| 7.02                                | Lifting motor powering (S3-15%)                                    |       | kW   | 2x25        | 2x25        | 2x25        | 2x25        |
| 7.03                                | Driving motor controlling mode                                     |       |      | MOSFET/AC   | MOSFET/AC   | MOSFET/AC   | MOSFET/AC   |
| 7.04                                | Lifting motor controlling mode                                     |       |      | MOSFET/AC   | MOSFET/AC   | MOSFET/AC   | MOSFET/AC   |
| Addition data                       |                                                                    |       |      |             |             |             |             |
| 8.01                                | Service brake/Parking brake                                        |       |      | Hydraulic   | Hydraulic   | Hydraulic   | Hydraulic   |
| 8.02                                | Operating pressure for attachments                                 |       | Mpa  | 14          | 14          | 14          | 14          |



|              |              |                 |
|--------------|--------------|-----------------|
| CPD60-GB2D   | CPD70-GB2D   | CPD85-GB2D(Li)  |
| CPD60-GB2DLi | CPD70-GB2DLi | CPD100-GB2D(Li) |

**Note:** The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. The standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

## Operating Cost Comparison:

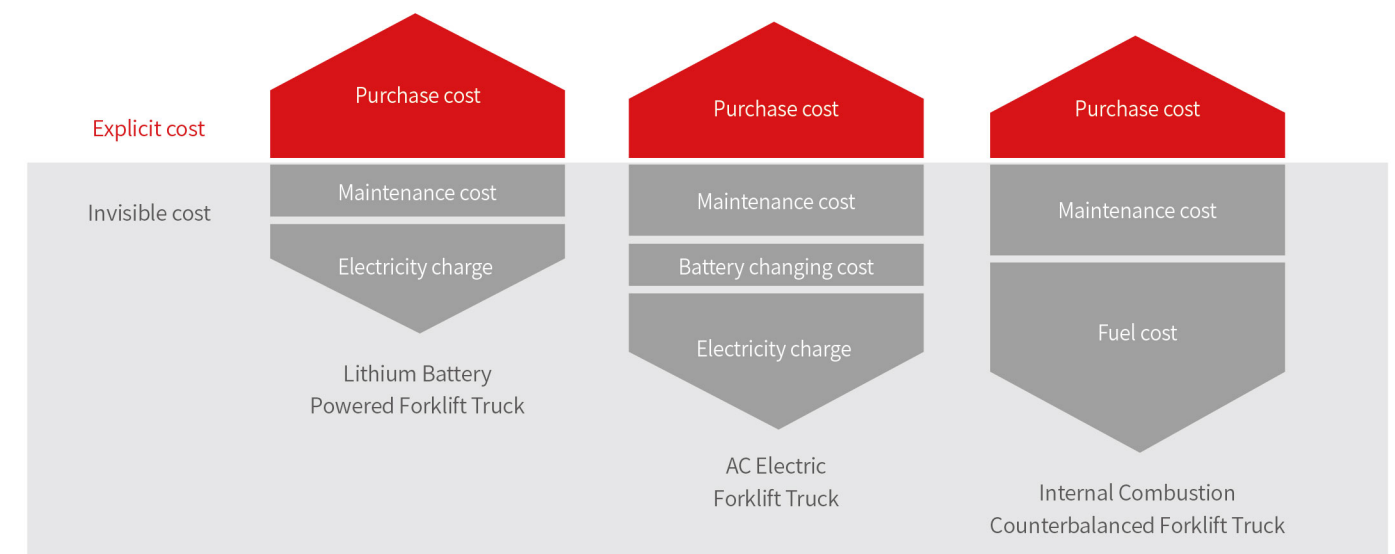
Lithium battery forklift **vs.** Lead-acid battery forklift **vs.** IC forklift

The advantages of HELI lithium battery forklift trucks are more prominent in the life cycle cost.

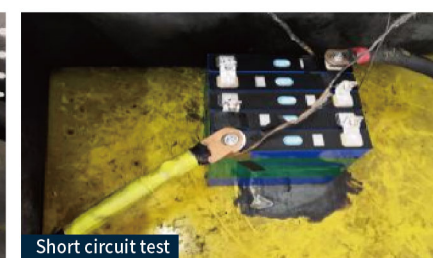
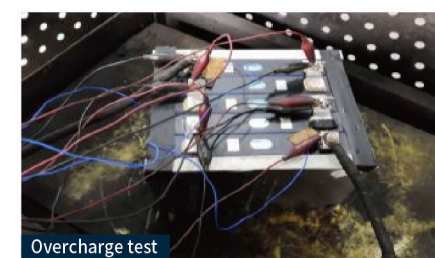
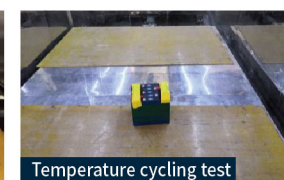
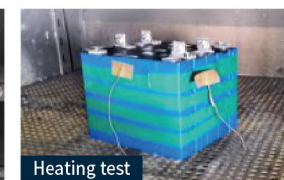
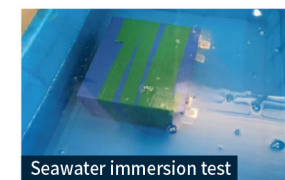
Compared with internal combustion forklift truck, lithium battery forklift truck has the advantages of no noise, no pollution, small vibration and simple operation.

Compared with the lead-acid battery forklift truck, lithium battery forklift has the characteristics of fast charging and charging at any time, which is more suitable for multi shift operation.

Besides, HELI lithium battery forklift is maintenance free, high power conversion efficiency, and economical overall operation cost.



## Lithium Battery Advantages



- ✓ The truck selects mature and economical square iron phosphate lithium battery core and module used by large numbers of commercial vehicles;
- ✓ The module adopts aluminum alloy plate frame, which is firm, light in weight and has good heat dissipation effect;
- ✓ Fast charging: fast charging makes truck gapless operation possible, and it can be fully charged in up to one hour;
- ✓ High efficiency and safety: The charging and discharging efficiency is up to 98%, and temperature of thermal runaway is over 600 °C;
- ✓ Low temperature adaptability: Standard configuration of heating function ensures normal operation of low temperature environment;
- ✓ Long service life: Over 75% capacity reserved after 5 years or ten thousand hours;
- ✓ Maintenance free: the battery does not need manual maintenance and does not need to add distilled water electrolyte;
- ✓ Green and clean: no pollution and zero emission.

| G3 6-7t Wide View Standard Mast |                         |                                        |              |            |              |                            |                   |                                |                   |                     |              |            |              |                         |
|---------------------------------|-------------------------|----------------------------------------|--------------|------------|--------------|----------------------------|-------------------|--------------------------------|-------------------|---------------------|--------------|------------|--------------|-------------------------|
| Mast model                      | Max.lifting height (mm) | Load capacity (lode center 600mm) (kg) |              |            |              | Height (mast lowered) (mm) |                   | Free lift (with backrest) (mm) |                   | Service weight (kg) |              |            |              | Mast tilt angle α/β (°) |
|                                 |                         | CPD60-GB2D                             | CPD60-GB2DLI | CPD70-GB2D | CPD70-GB2DLI | CPD60-GB2D/GB2DLI          | CPD70-GB2D/GB2DLI | CPD60-GB2D/GB2DLI              | CPD70-GB2D/GB2DLI | CPD60-GB2D          | CPD60-GB2DLI | CPD70-GB2D | CPD70-GB2DLI |                         |
| M220                            | 2200                    | 6000                                   | 6000         | 7000       | 7000         | 2080                       |                   | 165                            |                   | 10470               | 9600         | 10920      | 10210        | 6/10                    |
| M250                            | 2500                    | 6000                                   | 6000         | 7000       | 7000         | 2230                       |                   | 165                            |                   | 10510               | 9640         | 10960      | 10250        | 6/10                    |
| M270                            | 2700                    | 6000                                   | 6000         | 7000       | 7000         | 2330                       |                   | 165                            |                   | 10540               | 9670         | 10990      | 10280        | 6/10                    |
| M300                            | 3000                    | 6000                                   | 6000         | 7000       | 7000         | 2480                       |                   | 165                            |                   | 10580               | 9720         | 11030      | 10330        | 6/10                    |
| M330                            | 3300                    | 6000                                   | 6000         | 7000       | 7000         | 2630                       |                   | 165                            |                   | 10610               | 9750         | 11060      | 10360        | 6/10                    |
| M350                            | 3500                    | 6000                                   | 6000         | 7000       | 7000         | 2730                       |                   | 165                            |                   | 10640               | 9780         | 11090      | 10390        | 6/10                    |
| M400                            | 4000                    | 6000                                   | 6000         | 7000       | 7000         | 3030                       |                   | 165                            |                   | 10820               | 9960         | 11270      | 10570        | 6/10                    |
| M425                            | 4250                    | 6000                                   | 6000         | 7000       | 7000         | 3155                       |                   | 165                            |                   | 10850               | 9990         | 11300      | 10600        | 6/10                    |
| M450                            | 4500                    | 6000                                   | 6000         | 7000       | 7000         | 3280                       |                   | 165                            |                   | 10890               | 10020        | 11340      | 10630        | 6/10                    |
| M475                            | 4750                    | 6000                                   | 6000         | 7000       | 7000         | 3405                       |                   | 165                            |                   | 10930               | 10060        | 11380      | 10670        | 6/5                     |
| M500                            | 5000                    | 6000                                   | 6000         | 7000       | 7000         | 3530                       |                   | 165                            |                   | 10960               | 10090        | 11410      | 10700        | 6/5                     |
| M550                            | 5500                    | 5700                                   | 5900         | 6600       | 6800         | 3830                       |                   | 165                            |                   | 11140               | 10270        | 11590      | 10880        | 6/5                     |
| M600                            | 6000                    | 5400                                   | 5600         | 6400       | 6600         | 4080                       |                   | 165                            |                   | 11200               | 10330        | 11650      | 10940        | 6/5                     |

| G3 6-7t Wide View Full Free 2-Stage Mast |                         |                                        |              |            |              |                            |                   |                                |                   |                     |              |            |              |                         |
|------------------------------------------|-------------------------|----------------------------------------|--------------|------------|--------------|----------------------------|-------------------|--------------------------------|-------------------|---------------------|--------------|------------|--------------|-------------------------|
| Mast model                               | Max.lifting height (mm) | Load capacity (lode center 600mm) (kg) |              |            |              | Height (mast lowered) (mm) |                   | Free lift (with backrest) (mm) |                   | Service weight (kg) |              |            |              | Mast tilt angle α/β (°) |
|                                          |                         | CPD60-GB2D                             | CPD60-GB2DLI | CPD70-GB2D | CPD70-GB2DLI | CPD60-GB2D/GB2DLI          | CPD70-GB2D/GB2DLI | CPD60-GB2D/GB2DLI              | CPD70-GB2D/GB2DLI | CPD60-GB2D          | CPD60-GB2DLI | CPD70-GB2D | CPD70-GB2DLI |                         |
| ZM220                                    | 2200                    | 6000                                   | 6000         | 7000       | 7000         | 2060                       |                   | 710                            |                   | 10570               | 9700         | 11050      | 10340        | 6/10                    |
| ZM250                                    | 2500                    | 6000                                   | 6000         | 7000       | 7000         | 2210                       |                   | 860                            |                   | 10615               | 9745         | 11095      | 10385        | 6/10                    |
| ZM270                                    | 2700                    | 6000                                   | 6000         | 7000       | 7000         | 2310                       |                   | 960                            |                   | 10650               | 9780         | 11130      | 10420        | 6/10                    |
| ZM300                                    | 3000                    | 6000                                   | 6000         | 7000       | 7000         | 2460                       |                   | 1110                           |                   | 10695               | 9835         | 11175      | 10475        | 6/10                    |
| ZM330                                    | 3300                    | 6000                                   | 6000         | 7000       | 7000         | 2610                       |                   | 1260                           |                   | 10730               | 9870         | 11210      | 10510        | 6/10                    |
| ZM350                                    | 3500                    | 6000                                   | 6000         | 7000       | 7000         | 2710                       |                   | 1360                           |                   | 10765               | 9905         | 11245      | 10545        | 6/10                    |
| ZM400                                    | 4000                    | 6000                                   | 6000         | 7000       | 7000         | 3010                       |                   | 1660                           |                   | 10950               | 10090        | 11430      | 10730        | 6/10                    |
| ZM425                                    | 4250                    | 6000                                   | 6000         | 7000       | 7000         | 3135                       |                   | 1785                           |                   | 10985               | 10125        | 11465      | 10765        | 6/10                    |
| ZM450                                    | 4500                    | 6000                                   | 6000         | 7000       | 7000         | 3260                       |                   | 1910                           |                   | 11030               | 10160        | 11510      | 10800        | 6/10                    |
| ZM475                                    | 4750                    | 6000                                   | 6000         | 7000       | 7000         | 3385                       |                   | 2035                           |                   | 11075               | 10205        | 11555      | 10845        | 6/5                     |
| ZM500                                    | 5000                    | 6000                                   | 6000         | 7000       | 7000         | 3510                       |                   | 2160                           |                   | 11110               | 10240        | 11590      | 10880        | 6/5                     |
| ZM550                                    | 5500                    | 5700                                   | 5900         | 6600       | 6800         | 3810                       |                   | 2460                           |                   | 11295               | 10425        | 11775      | 11065        | 6/5                     |
| ZM600                                    | 6000                    | 5400                                   | 5600         | 6400       | 6600         | 4060                       |                   | 2710                           |                   | 11360               | 10490        | 11840      | 11130        | 6/5                     |

注: 不带挡货架自由起升高度6t: +340mm,7t: +180mm

| G3 6-7t Wide View Full Free 3-Stage Mast |                         |                                        |              |            |              |                            |                   |                                |                   |                     |              |            |              |                         |
|------------------------------------------|-------------------------|----------------------------------------|--------------|------------|--------------|----------------------------|-------------------|--------------------------------|-------------------|---------------------|--------------|------------|--------------|-------------------------|
| Mast model                               | Max.lifting height (mm) | Load capacity (lode center 600mm) (kg) |              |            |              | Height (mast lowered) (mm) |                   | Free lift (with backrest) (mm) |                   | Service weight (kg) |              |            |              | Mast tilt angle α/β (°) |
|                                          |                         | CPD60-GB2D                             | CPD60-GB2DLI | CPD70-GB2D | CPD70-GB2DLI | CPD60-GB2D/GB2DLI          | CPD70-GB2D/GB2DLI | CPD60-GB2D/GB2DLI              | CPD70-GB2D/GB2DLI | CPD60-GB2D          | CPD60-GB2DLI | CPD70-GB2D | CPD70-GB2DLI |                         |
| ZSM360                                   | 3600                    | 5600                                   | 5750         | 6200       | 6350         | 2335                       |                   | 920                            |                   | 11080               | 9890         | 11530      | 10500        | 6/5                     |
| ZSM400                                   | 4000                    | 5600                                   | 5750         | 6200       | 6350         | 2460                       |                   | 1045                           |                   | 11140               | 9950         | 11590      | 10560        | 6/5                     |
| ZSM435                                   | 4350                    | 5600                                   | 5750         | 6200       | 6350         | 2585                       |                   | 1170                           |                   | 11190               | 10000        | 11640      | 10610        | 6/5                     |
| ZSM450                                   | 4500                    | 5600                                   | 5750         | 6200       | 6350         | 2635                       |                   | 1220                           |                   | 11220               | 10030        | 11670      | 10640        | 6/5                     |
| ZSM480                                   | 4800                    | 5600                                   | 5750         | 6200       | 6350         | 2740                       |                   | 1325                           |                   | 11270               | 10080        | 11720      | 10690        | 6/5                     |
| ZSM500                                   | 5000                    | 5600                                   | 5750         | 6200       | 6350         | 2805                       |                   | 1390                           |                   | 11300               | 10110        | 11750      | 10720        | 6/5                     |
| ZSM540                                   | 5400                    | 5300                                   | 5450         | 6000       | 6150         | 2940                       |                   | 1525                           |                   | 11360               | 10170        | 11810      | 10780        | 6/5                     |
| ZSM600                                   | 6000                    | 5000                                   | 5150         | 5600       | 5750         | 3135                       |                   | 1720                           |                   | 11450               | 10260        | 11900      | 10870        | 6/5                     |
| ZSM650                                   | 6500                    | 4500                                   | 4650         | 5000       | 5150         | 3405                       |                   | 1990                           |                   | 11530               | 10340        | 11980      | 10950        | 6/5                     |
| ZSM700                                   | 7000                    | 4000                                   | 4150         | 4500       | 4650         | 3510                       |                   | 2095                           |                   | 11610               | 10420        | 12060      | 11030        | 6/5                     |

注: 不带挡货架自由起升高度6t: +340mm,7t: +180mm

| G3 8.5-10t Wide View Standard Mast |                         |                                        |        |                            |        |                     |              |             |               |                         |
|------------------------------------|-------------------------|----------------------------------------|--------|----------------------------|--------|---------------------|--------------|-------------|---------------|-------------------------|
| Mast model                         | Max.lifting height (mm) | Load capacity (lode center 600mm) (kg) |        | Height (mast lowered) (mm) |        | Service weight (kg) |              |             |               | Mast tilt angle α/β (°) |
|                                    |                         | CPD85                                  | CPD100 | CPD85                      | CPD100 | CPD85-GB2D          | CPD85-GB2DLI | CPD100-GB2D | CPD100-GB2DLI |                         |
| M250                               | 2500                    | 8500                                   | 10000  | 2450                       | 2700   | 12839               | 11979        | 14511       | 13941         | 6/9                     |
| M270                               | 2700                    | 8500                                   | 10000  | 2550                       | 2800   | 12894               | 12034        | 14551       | 13981         | 6/9                     |
| M300                               | 3000                    | 8500                                   | 10000  | 2700                       | 2950   | 13519               | 12659        | 14632       | 14062         | 6/9                     |
| M330                               | 3300                    | 8500                                   | 10000  | 2800                       | 3100   | 13620               | 12760        | 14680       | 14110         | 6/9                     |
| M350                               | 3500                    | 8500                                   | 10000  | 2950                       | 3200   | 13765               | 12905        | 14725       | 14155         | 6/9                     |
| M375                               | 3750                    | 8500                                   | 10000  | 3075                       | 3325   | 13885               | 13025        | 14775       | 14205         | 6/9                     |
| M400                               | 4000                    | 8500                                   | 10000  | 3250                       | 3500   | 14060               | 13200        | 14915       | 14345         | 6/9                     |
| M425                               | 4250                    | 8500                                   | 10000  | 3375                       | 3625   | 14215               | 13355        | 14970       | 14400         | 6/9                     |
| M450                               | 4500                    | 8500                                   | 10000  | 3500                       | 3750   | 14335               | 13475        | 15020       | 14450         | 6/9                     |
| M475                               | 4750                    | 8200                                   | 10000  | 3625                       | 3875   | 14480               | 13620        | 15077       | 14507         | 6/6                     |
| M500                               | 5000                    | 8200                                   | 10000  | 3750                       | 4000   | 14595               | 13735        | 15132       | 14562         | 6/6                     |
| M550                               | 5500                    | 7850                                   | 9000   | 4050                       | 4300   | 14917               | 14057        | 15433       | 14863         | 6/6                     |
| M600                               | 6000                    | 7400                                   | 8000   | 4300                       | 4550   | 15120               | 14260        | 15483       | 14913         | 6/6                     |

| G3 8.5-10t Wide View Full Free 2-Stage Mast |                         |                                        |        |                            |        |                                |        |                     |              |             |               |                         |
|---------------------------------------------|-------------------------|----------------------------------------|--------|----------------------------|--------|--------------------------------|--------|---------------------|--------------|-------------|---------------|-------------------------|
| Mast model                                  | Max.lifting height (mm) | Load capacity (lode center 600mm) (kg) |        | Height (mast lowered) (mm) |        | Free lift (with backrest) (mm) |        | Service weight (kg) |              |             |               | Mast tilt angle α/β (°) |
|                                             |                         | CPD85                                  | CPD100 | CPD85                      | CPD100 | CPD85                          | CPD100 | CPD85-GB2D          | CPD85-GB2DLI | CPD100-GB2D | CPD100-GB2DLI |                         |
| ZM250                                       | 2500                    | 8500                                   | 10000  | 2450                       | 2700   | 1245                           | 1220   | 13565               | 12706        | 15237       | 13941         | 6/9                     |
| ZM270                                       | 2700                    | 8500                                   | 10000  | 2550                       | 2800   | 1345                           | 1290   | 13591               | 12732        | 15277       | 13981         | 6/9                     |
| ZM300                                       | 3000                    | 8500                                   | 10000  | 2700                       | 2950   | 1495                           | 1440   | 13633               | 12774        | 15317       | 14021         | 6/9                     |
| ZM330                                       | 3300                    | 8500                                   | 10000  | 2800                       | 3100   | 1645                           | 1590   | 13674               | 12815        | 15397       | 14101         | 6/9                     |
| ZM350                                       | 3500                    | 8500                                   | 10000  | 2950                       | 3200   | 1745                           | 1690   | 13702               | 12843        | 15432       | 14136         | 6/9                     |
| ZM375                                       | 3750                    | 8500                                   | 10000  | 3075                       | 3325   | 1870                           | 1815   | 13737               | 12878        | 15482       | 14186         | 6/9                     |
| ZM400                                       | 4000                    | 8500                                   | 10000  | 3250                       | 3500   | 2045                           | 1990   | 13874               | 13015        | 15622       | 14326         | 6/9                     |
| ZM425                                       | 4250                    | 8500                                   | 10000  | 3375                       | 3625   | 2170                           | 2115   | 13908               | 13049        | 15677       | 14381         | 6/9                     |
| ZM450                                       | 4500                    | 8500                                   | 10000  | 3500                       | 3750   | 2295                           | 2240   | 13943               | 13084        | 15727       | 14431         | 6/9                     |
| ZM475                                       | 4750                    | 8200                                   | 9500   | 3625                       | 3875   | 2420                           | 2365   | 13978               | 13119        | 15787       | 14491         | 6/6                     |
| ZM500                                       | 5000                    | 8200                                   | 9500   | 3750                       | 4000   | 2545                           | 2490   | 13983               | 13124        | 15839       | 14543         | 6/6                     |
| ZM550                                       | 5500                    | 7850                                   | 9000   | 4050                       | 4300   | 2845                           | 2790   | 14185               | 13326        | 16139       | 14843         | 6/6                     |
| ZM600                                       | 6000                    | 7400                                   | 8000   | 4300                       | 4550   | 3095                           | 3040   | 14254               | 13395        | 16187       | 14891         | 6/6                     |

| G3 8.5-10t Wide View Full Free 3-Stage Mast |                         |                                        |        |                            |        |                                |        |                     |              |             |               |                         |
|---------------------------------------------|-------------------------|----------------------------------------|--------|----------------------------|--------|--------------------------------|--------|---------------------|--------------|-------------|---------------|-------------------------|
| Mast model                                  | Max.lifting height (mm) | Load capacity (lode center 600mm) (kg) |        | Height (mast lowered) (mm) |        | Free lift (with backrest) (mm) |        | Service weight (kg) |              |             |               | Mast tilt angle α/β (°) |
|                                             |                         | CPD85                                  | CPD100 | CPD85                      | CPD100 | CPD85                          | CPD100 | CPD85-GB2D          | CPD85-GB2DLI | CPD100-GB2D | CPD100-GB2DLI |                         |
| ZSM360                                      | 3600                    | 7500                                   | 8000   | 2450                       | 2570   | 1235                           | 1180   | 14159               | 13300        | 15886       | 14798         | 6/9                     |
| ZSM400                                      | 4000                    | 7500                                   | 8000   | 2575                       | 2700   | 1360                           | 1310   | 14230               | 13371        | 15978       | 14890         | 6/9                     |
| ZSM435                                      | 4350                    | 7500                                   | 8000   | 2700                       | 2820   | 1485                           | 1430   | 14304               | 13445        | 16058       | 14970         | 6/9                     |
| ZSM450                                      | 4500                    | 7500                                   | 8000   | 2750                       | 2870   | 1535                           | 1480   | 14331               | 13472        | 16098       | 15010         | 6/9                     |
| ZSM480                                      | 4800                    | 7200                                   | 7500   | 2850                       | 2970   | 1635                           | 1580   | 14392               | 13533        | 16166       | 15078         | 6/6                     |
| ZSM500                                      | 5000                    | 7200                                   | 7500   | 2950                       | 3035   | 1735                           | 1645   | 14448               | 13589        | 16212       | 15124         | 6/6                     |
| ZSM540                                      | 5400                    | 6800                                   | 7000   | 3075                       | 3225   | 1860                           | 1835   | 14522               | 13663        | 16346       | 15258         | 6/6                     |
| ZSM600                                      | 6000                    | 6300                                   | 6500   | 3375                       | 3425   | 2160                           | 2035   | 14693               | 13834        | 16486       | 15398         | 6/6                     |

NOTE: "●" standard ; "○" optional ; "—" not applicable; \*: only ZAPI electric controller.

| Battery capacity configuration |               |                  |                |             |             |                   |            |            |             |            |            |
|--------------------------------|---------------|------------------|----------------|-------------|-------------|-------------------|------------|------------|-------------|------------|------------|
| Truck model                    | Model         | Standard battery | Option battery |             |             |                   |            |            |             |            |            |
|                                |               | Made in CHINA    | Made in CHINA  |             | FAAM        |                   | HOPPECKE   |            |             |            |            |
| Acid type                      | CPD60-GB2D    | 80V/840Ah*       | 80V/960Ah*     |             | 80V/840Ah*  |                   | 80V/840Ah* |            |             |            |            |
|                                | CPD70-GB2D    | 80V/960Ah*       | —              | 80V/1000Ah* | —           | 80V/1000Ah*       | —          | 80V/960Ah* | 80V/1000Ah* | —          |            |
|                                | CPD85-GB2D    |                  |                |             |             |                   |            |            |             |            |            |
|                                | CPD100-GB2D   |                  |                |             |             |                   |            |            |             |            |            |
| Lithium type                   | —             | HEDING           | HEDING         |             |             | ENEROC, CATL core |            |            |             |            |            |
|                                | CPD60-GB2DLI  | 80V/606Ah*       | 80V/808Ah*     | 80V/1120Ah* | 80V/1212Ah* | 80V/604Ah*        | 80V/606Ah  | 80V/684Ah* | 80V/813Ah   | 80V/906Ah* | 80V/1084Ah |
|                                | CPD70-GB2DLI  |                  |                |             |             |                   |            |            |             |            |            |
|                                | CPD85-GB2DLI  | 80V/808Ah*       | —              |             |             | —                 | —          | —          |             |            |            |
|                                | CPD100-GB2DLI |                  |                |             |             |                   |            |            |             |            |            |