HELI

CPD60/70/85/100

GB2D/GB2DLI



LI ION **6-10 t**

G3 Series Electric Battery Forklift Truck

ANHUI HELI CO., LTD.

Add / No.668, FangXing Road, Hefei, China
Fax / +86-551-63639966
Tel / +86-551-63639068(America); 63639258(Europe);
63639358(Asia); 63662105(Africa & Middle East)

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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.

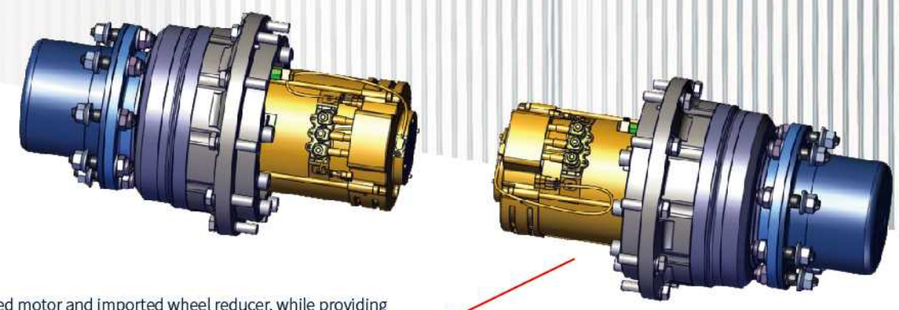




The truck is a continuation of HELI family style and creates a new concept of electric forklift through easy exchange between lead acid battery power and lithium battery power

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.

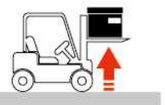




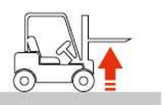
Driving speed:
6-7t:**15-16km/h**
8.5-10t:**13-15.5km/h**



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**

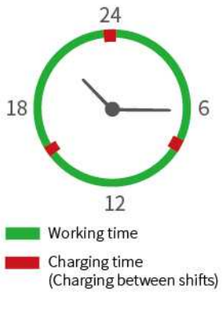


Maximum lifting speed without load: 0.46m/s
6-7t:**0.46m/s**
8.5-10t:**0.350m/s**



Good bearing capacity at high position

- Double gun charging, fast and efficient.





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 (8.5-10tLithium 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.



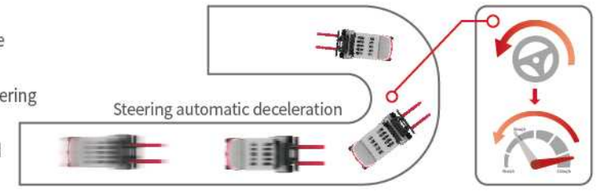
The front wheels are equipped with double tires as standard, with better carrying capacity.

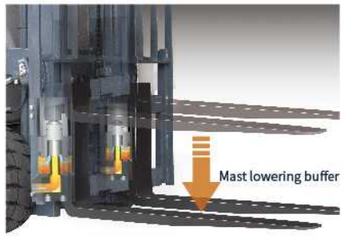


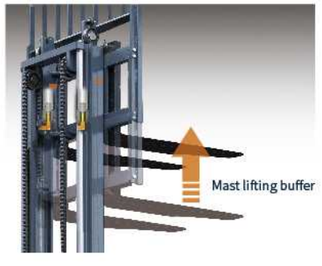
Intergrated fork positioner

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.



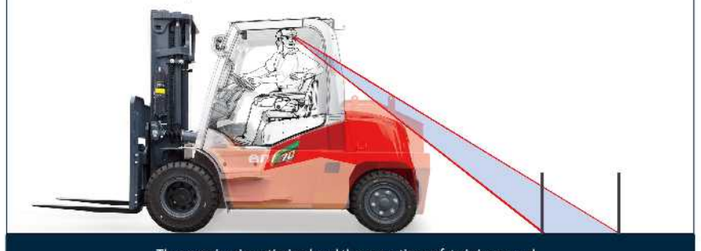






Stamping integral roof design of overhead guard enhance the strength and ensure the safety.

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.





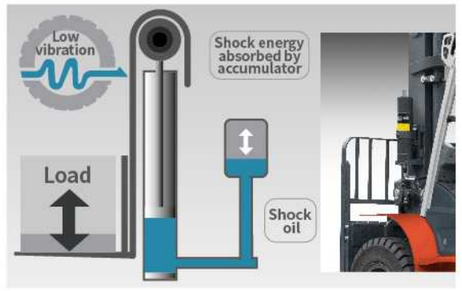


Optional configuration of intelligent safety buffer system cushion operator from effects of riding over uneven surface and it is more comfortable.

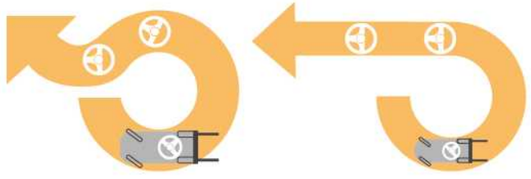
- **Vibration shock reduction**
  When driving under load conditions, the impact caused by uneven surface is greatly absorbed, and the vibration is effectively reduced.

  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.



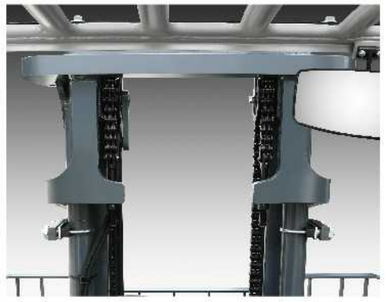
Without synchronous control function

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℃ cold storage for 6 hours and parked in the cold storage for 12 hours without failure andcan 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 facilitate 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)

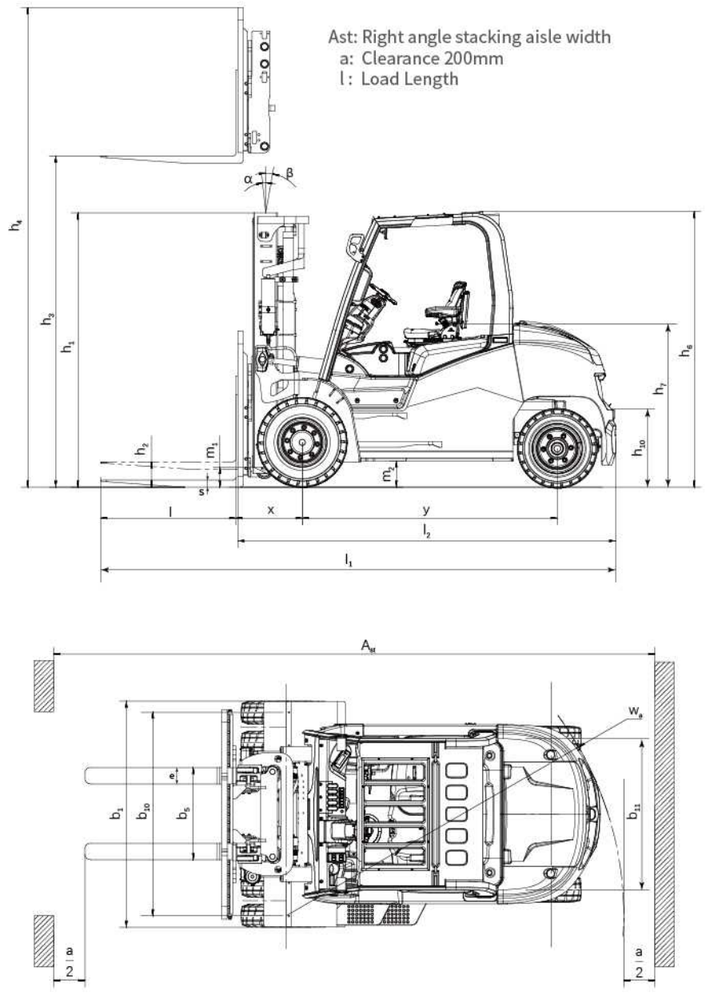


Manufacturer and Technical Data (1)

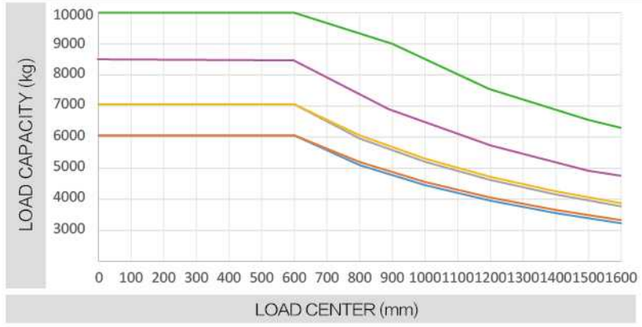
	Characteristics						
1.01	Manufacturer			HELI			
1.02	Model			CPD60	CPD60	CPD70	CPD70
1.03	Configuration number			GB2D	GB2DLi	GB2D	GB2DLi
1.04	Rated capacity	Q	kg	6000	6000	7000	7000
1.05	Load center distance	c	mm	600	600	600	600
1.06	Power mode			Electric	Electric	Electric	Electric
1.07	Driving mode			Seated	Seated	Seated	Seated
1.08	Front overhang	x	mm	600	600	605	605
1.09	Wheelbase	y	mm	2305	2305	2305	2305
	Weight						
2.01	Total weight (with/without battery)		kg	10580/7950	9720/9170	11030/8680	10330/9780
2.02	Axle load (laden,front/rear)		kg	16350/1130	15280/1340	16280/1750	15730/2000
2.03	Axle load (unladen,front/rear)		kg	5730/4850	4750/4970	5730/5300	4880/5450
	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)			4/x2	4/x2	4/x2	4/x2
3.05	Tread, front	b10	mm	1567	1567	1567	1567
3.06	Tread, rear	b11	mm	1370	1370	1370	1370
	Dimensions						
4.01	Mast tilt angle (forward/backward)	α/β	°	6/10	6/10	6/10	6/10
4.02	Height (mast lowered)	h1	mm	2480	2480	2480	2480
4.03	Free lifting height	h2	mm	160	160	165	165
4.04	Lifting height (standard)	h3	mm	3000	3000	3000	3000
4.05	Max. height,extended (with backrest)	h4	mm	4460	4460	4460	4460
4.06	Height of overhead guard	h6	mm	2500	2500	2491	2491
4.07	Seat height relating to SIP (to ground)	h7	mm	1460	1460	1460	1460
4.08	Towing coupling height	h10	mm	470	470	470	470
4.09	Overall length (with fork)	l1	mm	4657	4657	4662	4662
4.10	Overall length (without fork)	l2	mm	3437	3437	3442	3442
4.11	Overall width	b1	mm	2045	2045	2045	2045
4.12	Fork size:thickness x width x length	s/e/l	mm	60x150x1220	60x150x1220	65x150x1220	65x150x1220
4.13	Fork carriage,according to ISO2328			4A	4A	4A	4A
4.14	Distance across fork-arms, Max./Min.	b5	mm	1845/300	1845/300	1845/300	1845/300
4.15	Distance across fork-arms, Max./Min.	m1	mm	160	160	160	160
4.16	Ground clearance (center of wheelbase)	m2	mm	239	239	229	229
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast	mm	4845	4845	4850	4850
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	mm	5045	5045	5050	5050
4.19	Min. outside turning radius	Wa	mm	3050	3050	3050	3050
	Performance Data						
5.01	Travel speed (laden/unladen)		km/h	15/16	15/16	15/16	15/16
5.02	Lift speed (laden/unladen)		m/s	0.35/0.46	0.35/0.46	0.32/0.46	0.32/0.46
5.03	Lowering speed (laden/unladen)		m/s	0.46/0.45	0.46/0.45	0.48/0.45	0.48/0.45
5.04	Max.drawbar pull (laden/unladen)		N	35000	35000	37000	37000
5.05	Max.gradeability (laden)		%	19	19	18	18
5.06	Acceleration time(10 m)(laden/unladen)		s	4.9/5.5	4.9/5.5	4.9/5.5	4.9/5.5
	Battery						
6.01	Battery voltage/Capacity		V/Ah	80/840	80/606	80/960	80/606
6.02	Battery weight (Min./Max.)		kg	2150	600	2350	600
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	2x26.5	2x26.5	2x26.5	2x26.5
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

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	13952/11664	12660/12300	14780/12490	14060/13260
2.02	Axle load (laden,front/rear)		kg	19933/2889	18930/2245	22560/2220	19880/2050
2.03	Axle load (unladen,front/rear)		kg	7006/7316	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	17.1×2	17.1×2	17.1×2	17.1×2
7.02	Lifting motor powering (S3-15%)		kW	26.5×2	26.5×2	26.5×2	26.5×2
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



Load curve

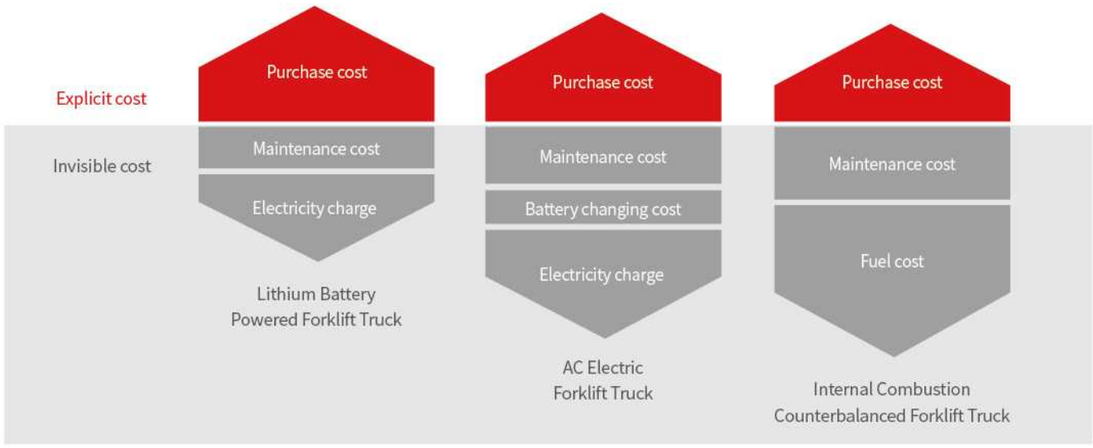


CPD60-GB2D | CPD70-GB2D | CPD85-GB2D(Li)
CPD60-GB2DLi | CPD70-GB2DLi | CPD100-GB2D(Li)

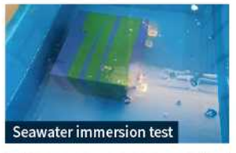
Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or 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



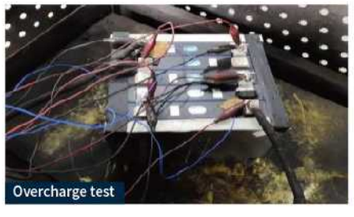


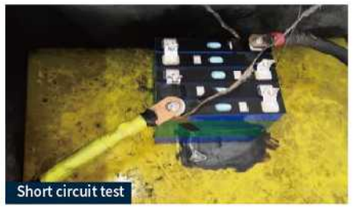












- ✓ The truck selects mature and economical square iron phosphate lithium battery core and module used by large numbers of commercial vehicles;
- ✓ The module adopts aluminum alloy plate frame, which is firm, light in weight and has good heat dissipation effect;
- ✓ Fast charging: fast charging makes truck gapless operation possible, and it can be filled in 2 hours;
- ✓ 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: the normal charging and discharging cycles is more than 4000 times or 5 years, and capacity retention rate is more than 75%;
- ✓ 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 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	13272	11979	14659	13941	6/9
M270	2700	8500	10000	2550	2800	13327	12034	14699	13981	6/9
M300	3000	8500	10000	2700	2950	13952	12659	14780	14062	6/9
M330	3300	8500	10000	2800	3100	14053	12760	14828	14110	6/9
M350	3500	8500	10000	2950	3200	14198	12905	14873	14155	6/9
M375	3750	8500	10000	3075	3325	14318	13025	14923	14205	6/9
M400	4000	8500	10000	3250	3500	14493	13200	15063	14345	6/9
M425	4250	8500	10000	3375	3625	14648	13355	15118	14400	6/9
M450	4500	8500	10000	3500	3750	14768	13475	15168	14450	6/9
M475	4750	8200	10000	3625	3875	14913	13620	15225	14507	6/6
M500	5000	8200	10000	3750	4000	15028	13735	15280	14562	6/6
M550	5500	7850	9000	4050	4300	15350	14057	15581	14863	6/6
M600	6000	7400	8000	4300	4550	15553	14260	15631	14913	6/6

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 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	13999	12706	14659	13941	6/9
ZM270	2700	8500	10000	2550	2800	1345	1290	14025	12732	14699	13981	6/9
ZM300	3000	8500	10000	2700	2950	1495	1440	14067	12774	14739	14021	6/9
ZM330	3300	8500	10000	2800	3100	1645	1590	14108	12815	14819	14101	6/9
ZM350	3500	8500	10000	2950	3200	1745	1690	14136	12843	14854	14136	6/9
ZM375	3750	8500	10000	3075	3325	1870	1815	14171	12878	14904	14186	6/9
ZM400	4000	8500	10000	3250	3500	2045	1990	14308	13015	15044	14326	6/9
ZM425	4250	8500	10000	3375	3625	2170	2115	14342	13049	15099	14381	6/9
ZM450	4500	8500	10000	3500	3750	2295	2240	14377	13084	15149	14431	6/9
ZM475	4750	8200	9500	3625	3875	2420	2365	14412	13119	15209	14491	6/6
ZM500	5000	8200	9500	3750	4000	2545	2490	14417	13124	15261	14543	6/6
ZM550	5500	7850	9000	4050	4300	2845	2790	14619	13326	15561	14843	6/6
ZM600	6000	7400	8000	4300	4550	3095	3040	14688	13395	15609	14891	6/6

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 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	14593	13300	15516	14798	6/9
ZSM400	4000	7500	8000	2575	2700	1360	1310	14664	13371	15608	14890	6/9
ZSM435	4350	7500	8000	2700	2820	1485	1430	14738	13445	15688	14970	6/9
ZSM450	4500	7500	8000	2750	2870	1535	1480	14765	13472	15728	15010	6/9
ZSM480	4800	7200	7500	2850	2970	1635	1580	14826	13533	15796	15078	6/6
ZSM500	5000	7200	7500	2950	3035	1735	1645	14882	13589	15842	15124	6/6
ZSM540	5400	6800	7000	3075	3225	1860	1835	14956	13663	15976	15258	6/6
ZSM600	6000	6300	6500	3375	3425	2160	2035	15127	13834	16116	15398	6/6

Configuration Table

Categories for Safety	Steering deceleration	●
	Rear handle with horn for truck reversing	●
	Overspeed alarm (5km/h)	○
	Overspeed alarm(8km/h)	○
	Overspeed alarm (10km/h)	○
	OPS(travelling+lifting+tilting+attachment)(lowering is included)	●
	Control valve overload	●
	Dry powder extinguisher (0.5kg)	○
	Dry powder extinguisher (2kg)	○
	Backward buzzer	●
	Reversing speaker (Chinese)	○
	Electronic upper buffering	●
	Center wide angle rearview mirror	●
	Rearview mirror on two sides + Center wide angle rearview mirror	○
	Reverse radar (4 probes)	○
Categories for comfort	Reversing image (1 camera + 4 probes)	○
	GRAMMER full suspension seat	●
	1 USB interface (5V/1A)	●
	Super low torque steering unit	●
	Steering started by steering wheel	●
	Mechanical operation valve	●
	Electromagnetic operation valve (proportional valve+ thumb switch)	○
	Fan	○
Optional overhead guard	Overhead guard with iron frame	○
	Overhead guard with protection net	○
cab / windshields	Panel mounted cab(with fan and wiper)	○
	Heater	○
	Rear mounted air conditioner only for cooling	○
	Rear mounted air conditioner only for cooling + heater	○
	Front windshield (with wiper/no blow can)	○
	High temperature resistant front windshield	○
	Rear windshield	○
	Top windshield (without fan)	○
lights	LED rear working lamp (one)	●
	Rear LED red/blue spot lamp	○
	Left, right and rear blue bar	○
	Fixed type LED rotating warning lamp	●
	Fixed type LED flicker warning lamp	○
	Fixed type LED rotating buzzer warning lamp	○
others	Dual tyre (front wheel)	●
	Metric screw	●
	SAE screw	○
	No protective sleeves for tilting cylinder and steering cylinder	○
	With protective sleeves for tilting cylinder and steering cylinder	●
	FICS(basic edition) (for domestic)	●

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/1000Ah	80V/840Ah	80V/1000Ah	80V/840Ah	80V/960Ah	80V/1000Ah	—
	CPD70-GB2D	80V/960Ah	—		—		—			
	CPD85-GB2D									
	CPD100-GB2D									
Lithium type	—	HEDING	HEDING		ENEROC, CATL core					
	CPD60-GB2DLI	80V/606Ah	80V/808Ah	80V/1120Ah	80V/1212Ah	80V/606Ah	80V/684Ah	80V/813Ah	80V/906Ah	80V/1084Ah
	CPD70-GB2DLI									
	CPD85-GB2DLI	80V/808Ah	—			—	—			
	CPD100-GB2DLI									