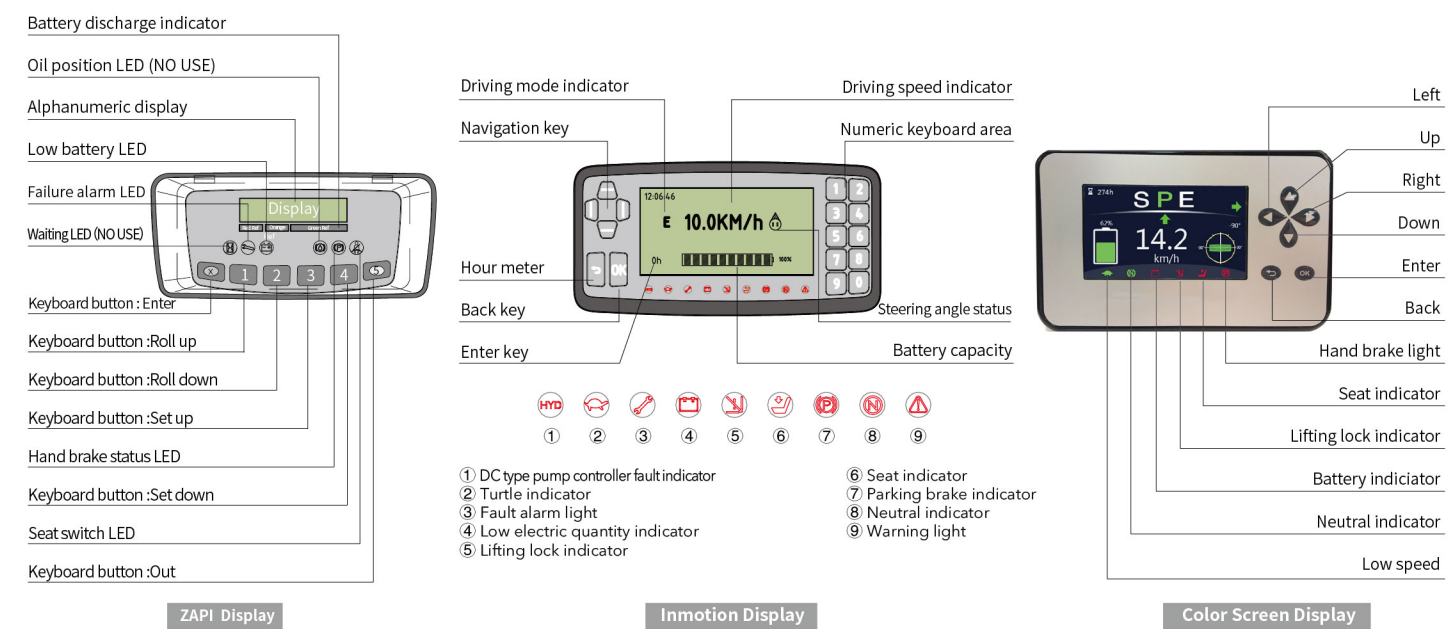


Reliable special designed instrument



Charger technology



- High Efficiency**
Charging efficiency higher than 95% meeting the requirements of energy saving and emissions reduction.
- Speediness**
100% charging realized in 65mins at the soonest.
- Compatibility**
48 v / 80 v compatibility meeting the demand of different voltage levels.
- Safety**
Built-in mis-connecting protection offering self isolating function under fault; Perfect fault self checking alarm facilitating users maintenance.

Standard configuration

- Wide view basic mast
- Standard fork
- li (iii) stage fork carriage
- Backrest
- Control valve
- Battery
- Standard seat
- Overhead guard
- Overhead guard rain cover
- LCD dashboard
- Pneumatic tyre (1-3t)
- solid tyre (3.5t)
- Traction pin
- Tool box
- LED lamp, strobe caution light
- Rear driving handle with horn button

Optional device

- Carpet boom
- Driver's cab
- Lifting hook
- Lifting boom
- Tip-over fork
- Back view mirror
- Side shifting
- Paper roll clamp
- Warning light (rotating or buzzing)
- solid tyre (1-3t)
- Rear working light
- Steel protection net
- Multipurpose drum clamp
- Load stabilizer
- Widen fork carriage
- Lengthening fork
- Load pusher
- Fork sleeve
- Rotate clamp
- Double tyre protection device
- Auxiliary hydraulic valve component
- Tilting/steering cylinder cover
- Coloring tyre (white/green)
- wide view two/three stage full free mast
- Customised colour
- Turn automatic deceleration function
- Battery lifting sling
- HELI smart fleet management system

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63639358(Asia); 63662105(Africa & Middle East);
63639530(Key Accounts Division); 63662105(Wheel loader)

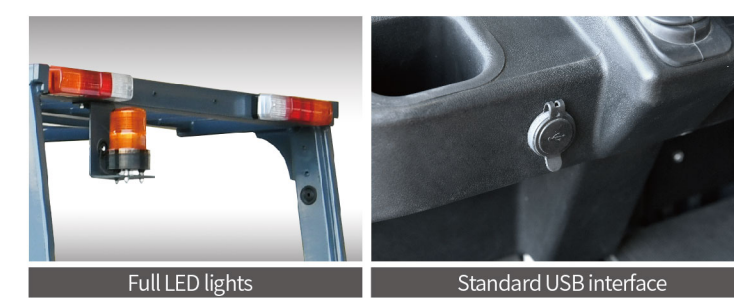
* Our products are subject to improvements and changes without notice.



1-3.5 t LITHIUM

G series Lithium Battery Powered Counterbalanced Forklift Truck (UPGRADED)

G SERIES 1-3.5t LITHIUM



Environment Friendliness

- Zero emission
- Low noise
- Free of heavy metals
- No corrosion
- No acid mist volatilization

Maintenance Free

- Unnecessary of fluid adding and dust proofing
- Daily maintenance free
- Manual maintenance free

Long Service Life

- Over 75% capacity reserved after 4000 shifts operation
- Longer service life than lead-acid battery in equal working condition
- 5 years or ten thousand hours quality guarantee for high performance lithium battery assembly

Suitable for working in both high and low environment

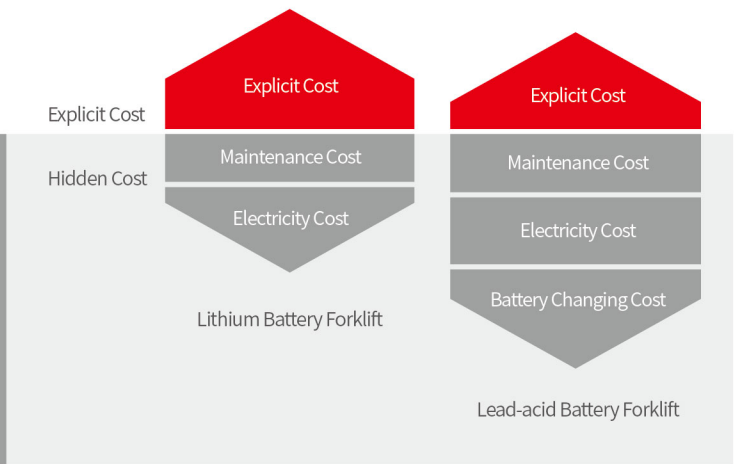
- Lithium battery is better than lead-acid battery when working between -25°C and 55°C

HELI smart fleet management system (optional)

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



The superiority of Heli lithium battery forklift truck is embodied in the use-cost within product lifecycle. Compared with lead-acid battery forklift truck, lithium battery forklift truck is more convenient for multiple working shifts. It has lower implicit cost and more economical total running cost.



High Safety

- According to the characteristics of industrial vehicles, it achieves safety protection design which includes lithium battery materials, battery core type, pack technique and system power management
- "Multiple node safety closed circuit protection" realizing truck real time closed circuit protection in variable conditions
- "Lock affirming" function during charging avoiding "hot connecting and disconnecting" operation effectively
- "Whole system emergency button" to disconnect the truck control system and bms power quickly ensuring truck safety

High Efficiency and Energy Saving

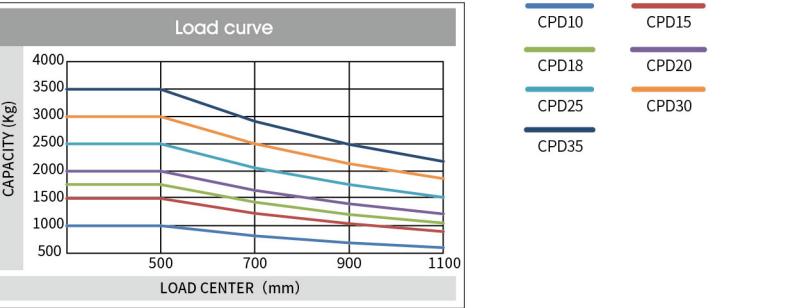
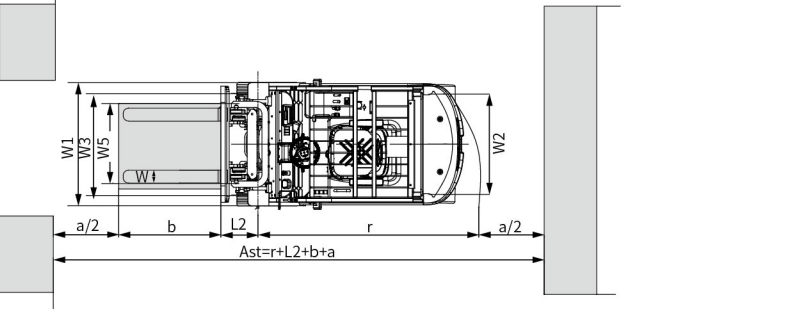
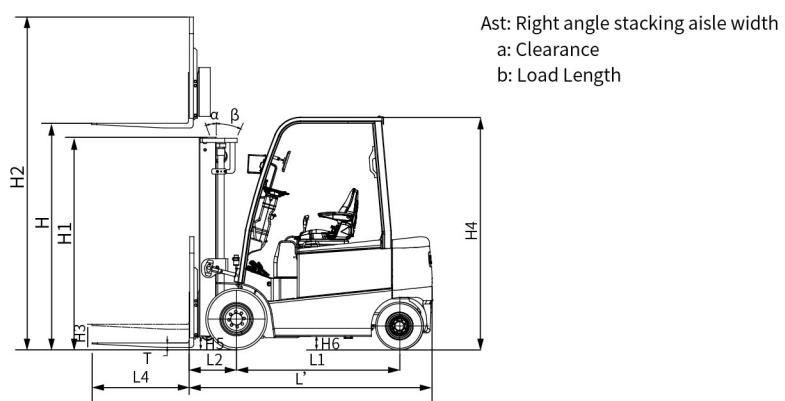
- 1-2-hours charging meet 6-8 hours working demand
- High-energy density, self discharging rate lower than 1% per month
- 95% energy conversion rate, superior charging and discharging performance
- Flexible to charge, easy to operate, no impact on battery life
- Unnecessary to change battery, cost saving



Manufacturer's Data and Design Characteristics

characteristics		HELI															
1.01	manufacturer																
1.02	model	CPD10		CPD15		CPD18		CPD20		CPD25		CPD30		CPD35			
1.03	configuration number	GB2Li/GB3Li		GB2Li/GB3Li		GB2Li/GB3Li		GB2Li/GB3Li		GB2Li/GB3Li		GB2Li/GB3Li		GB2Li/GB3Li			
1.04	rated capacity	Q	kg	1000		1800		2500		3000		3500		3500			
1.05	load center distance	c	mm	500		500		500		500		500		500			
1.06	power mode	lithium battery		lithium battery		lithium battery		lithium battery		lithium battery		lithium battery		lithium battery			
1.07	driving mode	seated		seated		seated		seated		seated		seated		seated			
1.08	wheel base	L1	mm	1380		1380		1380		1550		1550		1715			
tyre				pneumatic tyre		pneumatic tyre		pneumatic tyre/solid		pneumatic tyre		pneumatic tyre		pneumatic tyre/solid		solid tyre	
2.01	tyre type			pneumatic tyre		pneumatic tyre		pneumatic tyre/solid		pneumatic tyre		pneumatic tyre		pneumatic tyre/solid		solid tyre	
2.02	Wheels, number front rear (X=driven wheels)			2X/2		2X/2		2X/2		2/2		2/2		2/2		2/2	
2.03	front wheel base	W3	mm	910		910		910		960		960		1000		1000	
2.04	rear wheel base	W2	mm	920		920		920		950		950		990		990	
2.05	tyre (front)			6.00-9-10PR		6.00-9-10PR		6.00-9		23×9-10-16PR		23×9-10-16PR		28×9-15-14PR		28×9-15	
2.06	tyre (rear)			16×6-8-10PR		16×6-8-10PR		16×6-8-10PR		18×7-8-14PR		18×7-8-14PR		200/50-10		200/50-10	
size																	
3.01	front overhang	L2	mm	390		390		390		425		425		485		490	
3.02	mast tilt angle, front/rear	α/β	°	6/8		6/8		6/8		6/8		6/8		6/10		6/10	
3.03	height with mast retraction	H1	mm	1985		1985		1985		1995		1995		2075		2180	
3.04	free lifting height	H3	mm	145		145		145		145		145		150		150	
3.05	Max. lifting height	H	mm	3000		3000		3000		3000		3000		3000		3000	
3.06	Mast height, extended	H2	mm	4030		4030		4030		4042		4042		4230		4230	
3.07	overhead guard height	H4	mm	2130		2130		2130		2150		2150		2215		2215	
3.08	fork size:thickness×width×length	T×W×L4	mm	32×100×770		35×100×920		35×100×920		40×122×920		40×122×1070		45×125×1070		50×125×1070	
3.09	fork carriage,ISO 2328,class/ type A,B			2A		2A		2A		2A		2A		3A		3A	
3.10	truck body length (fork excluded)	L'	mm	2070		2070		2070		2270		2270		2525		2550	
3.11	truck body width	W1	mm	1086		1086		1086		1185		1185		1245		1245	
3.12	turning radius	r	mm	1750		1750		1750		2000		2010		2240		2260	
3.13	clearance between mast and ground	H5	mm	90		90		80		110		110		135		135	
3.14	clearance between wheel base center and ground (loaded)	H6	mm	80		80		75		115		115		145		145	
3.15	right angle stacking aisle width (pallet1000x1000mm, clearance 200mm)	Ast	mm	3340		3340		3340		3625		3635		3995		4020	
3.16	right angle stacking aisle width (pallet1200x1200mm, clearance 200mm)	Ast	mm	3540		3540		3540		3825		3835		4125		4150	
3.17	lateral fork adjustment(outside of forks)Max./Min.	W5	mm	960/200		960/200		960/200		1030/244		1030/244		1060/250		1060/250	
performance																	
4.01	travelling speed: loaded/unloaded			km/h		15.0/16.0		15.0/16.0		15.0/16.0		16/16		16/16		17/18	
4.02	lifting speed: loaded/unloaded			mm/s		410/600		410/600		330/510		330/510		340/460		325/450	
4.03	lowering speed: loaded/unloaded			mm/s		400/500		400/500		400/500		450/500		450/500		-/500	
4.04	gradeability (loaded)			%		24		22		20		22		18		15	
4.05	Max. traction force (loaded)			N		11000		12500		16000		16500		21700		21700	
4.06	acceleration time (10m) loaded/unloaded			s		5.0/4.4		5.2/4.5		5.2/4.6		4.6/4.4		4.6/4.4		4.9/4.7	
weight																	
5.01	total weight (with /without battery)			kg		2700/2350		2955/2605		3105/2755		3600/3340		3910/3650		4450/4100	
5.02	axle load: unloaded, front/rear			kg		1420/1280		1370/1585		1375/1730		1485/2115		1680/2230		2050/2400	
5.03	axle load: loaded, front/rear			kg		3130/570		3870/585		4255/600		4678/922		5670/740		6770/800	
battery																	
6.01	battery voltage/capacity(discharging capacity in 5 hours)			V/Ah		80/202		80/202		80/202		80/271		80/271		80/404	
6.02	battery weight			kg		230		230		230		260		260		350	
motor and controller																	
7.01	driving motor power (S2-60min)			kW		8.2		8.2		8.2		12		12		16.6	
7.02	lifting motor power (S3-15%)			kW		10.6		10.6		10.6		15		15		13.5	
7.03	drive motor controlling mode					MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC	
7.04	lifting motor controlling mode					MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC		MOSFET/AC	
others																	
8.01	service brake/parking brake					hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical		hydraulic/mechanical	
8.02	hydraulic system working pressure			Mpa		14.5		14.5		17.5		17.5		17.5		21	
8.03	type of drive control					ZAPI/INMOTION		ZAPI/INMOTION		ZAPI/INMOTION		ZAPI/INMOTION		ZAPI/INMOTION		ZAPI/INMOTION	

NTOE: For configuration number, 2: ZAPI Controller; 3: INMOTION Controller.



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.

Model		ENEROC				CNSG Hong SIFANG			
Voltage	Capacity	202Ah	271Ah	404Ah	542Ah	320Ah	400Ah	500Ah	600Ah
		CPD10/CPD15/CPD18	●	○	—	—	—	—	—
CPD20/CPD25	80V	—	●	○	—	○	○	○	—
CPD30/CPD35	80V	—	—	●	○	—	○	○	○
Low temperature preheating of lithium battery PACK		●				—			
Charger		D80V-200A-LI (Charging gun)				D80V-200A-LI-423 (Charging gun)			

Note: ● standard, ○ optional, — non-configurable

WIDE VIEW MAST

Mast model	Max. Lifting height (mm)	Load capacity (Load center 500mm)(kg)							Mast overall height (mm)				Mast tilt angle (α/β)(°)		Weight (kg)						
		1t	1.5t	1.8t	2t	2.5t	3t	3.5t	1-1.8t	2-2.5t	3t	3.5t	1-2.5t	3-3.5t	1t	1.5t	1.8t	2t	2.5t	3t	3.5t
M200	2000	1000	1500	1800	2000	2500	3000	3500	1485	1495	1570	1680	6/8	6/10	2670	2925	3075	3510	3820	4355	4960
M250	2500	1000	1500	1800	2000	2500	3000	3500	1735	1745	1820	1930	6/8	6/10	2685	2940	3090	3555	3865	4395	5010
M300	3000	1000	1500	1800	2000	2500	3000	3500	1985	1995	2070	2180	6/8	6/10	2700	2955	3105	3600	3910	4450	5060
M330	3300	1000	1500	1800	2000	2500	3000	3500	2135	2145	2220	2330	6/8	6/10	2720	2975	3125	3630	3940	4480	5090
M350	3500	1000	1500	1800	2000	2500	3000	3500	2235	2245	2320	2430	6/8	6/10	2735	2990	3140	3645	3955	4500	5110
M370	3700	1000	1500	1800	2000	2500	3000	3400	2335	2345	2420	2530	6/8	6/6 *6/10	2745	3000	3150	3665	3975	4520	5130
M400	4000	1000	1500	1800	2000	2500	2950	3350	2535	2545	2620	2730	6/5	6/6 *6/10	2795	3050	3200	3725	4035	4595	5205
M425	4250	1000	1500	1800	2000	2500	2850	3250	2660	2670	2745	2855	6/5	6/6 *6/10	2810	3065	3215	3745	4055	4620	5230
M450	4500	1000	1400	1600	1900	2300	2750	3100	2785	2795	2870	2980	6/5	6/6 *6/10	2830	3085	3235	3770	4080	4645	5255
M500	5000	1000	1200	1350	1800	1950	2400	2650	3035	3045	3120	3230	6/5 *6/5	6/6 *6/6	2860	3115	3265	3815	4125	4695	5305
M550	5500	900	1100	1200	1400	1550	2000	2250	3335	3345	3420	3530	3/3 *6/5	3/6 *3/6	2920	3175	3325	3895	4205	4775	5395
M600	6000	800	800	850	950	1100	1500	1550	3585	3595	3670	3780	3/3 *6/5	3/6 *3/6	2955	3210	3360	3940	4250	4825	5440

Note: (1) *refers to rated capacity with dual front tires or widen tires;

WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. Lifting height (mm)	Load capacity (Load center 500mm)(kg)</						
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