Alphanumeric display Battery discharge indicator 912349 Keyboard button:Out Keyboard button: Enter Seat switch LED Waiting LED (NO USE) Hand brake status LED Keyboard button :Roll up Keyboard button :Set down Failure alarm LED Oil position LED (NO USE) Low battery LED

Keyboard button :Set up

CHARGER TECHNOLOGY

Wide view standard mast Standard fork Class II standard carriage Load backrest

Keyboard button :Roll down

ZAPI

Two-spool control valve Standard seat

Overhead guard Overhead guard rain cover LCD combined display

Automatic Packing

Drive's tool

Solid tires Traction pin LED signal light、LED warning light(flashing)

Back-up alarm Automatic steering slow down device Cab

side shifter Rotator Load stabilizer

LED Warning lights(rotating/buzzer) coloring tires(white/green)

> High Efficiency

energy saving

Speediness

at the soonest

Compatibility

under fault;

Charging efficiency higher than

and emissions reduction

95% meeting the requirements of

100% charging realized in 2 hours

48 v / 80 v compatibility meeting

the demand of different voltage

Built-in mis-connecting protection offering self isolating function

Perfect fault self checking alarm

facilitating users maintenance.

Rear work light

Steel fence Long forks

Accessory hydraulic component

Tilt cylinder protection sleeve Customer color

Battery lifting sling

HELI smart fleet management system

HELI

1.5-2 t

**G2 Series Three wheel Lithium Battery Forklift Truck** 



www.heliforklift.net

G2 SERIES 1.5-2 t

#### ♠ Environment Friendliness

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

## ♠ EPS Technology

- > Steering bridge of integrated motor, with high following performance, Simple structure and non-pollution.
- Torque feedback device, angle display, accurate motion act, and controlled easily.
- > Energy saving and mute, maintenance free, easy and flexible operation.

#### Maintenance Free

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

#### Comfortable

- Magnetic brake on driving axle, the truck can automatic parking in slope or flat.
- Rear handle with horn function contributes to stable sitting pose when travelling backward and driving comfort and safety.
- > Automobile type double combined switch effectively improve driving comfort
- > Sensor operated power steering (option), more comfortable.

## High Safety

- Automatic deceleration on curved road, more intelligent and safe.
- > Standard configuration of warning light and drive OPS system improve whole truck's safely.
- > 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
- "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

♠ 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.

#### Working Efficiency

- > Small turning radius makes steering flexible and easy.
- The truck has fast driving and lifting speed, higher working efficiency.
- > Three speed mode, high performance.

# A High Efficiency and Energy Saving

- > The application of electric power steering technology, high efficiency 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
- Flexible to charge, easy to operate, no impact on battery life.
- Unnecessary to change battery, cost saving.

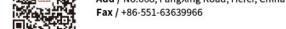
合力锂电

economical total running cost.

- With optimized hydraulic system, the truck is more energy-efficient and has lower energy consumption.
- > Save more than 80% lighting energy with LED lights.
- Motor regenerative braking can recycle more electric energy.



Lead-acid Battery Forklift



ANHUI HELI CO., LTD. Add / No.668, FangXing Road, Hefei, China

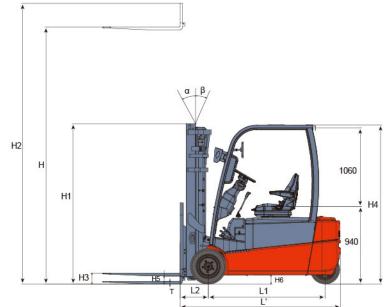
Tel / +86-551-63639068(America); 63639258(Europe); 63639358(Asia); 63662105(Africa & Middle East); 63639530(Key Accounts Division); 63662105(Wheel loader)

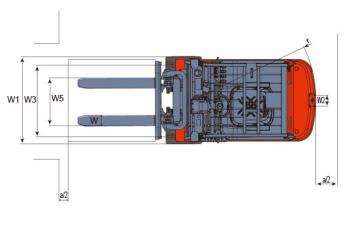
\* Our products are subject to improvements and changes without notice.





O.L.	poraeteristics					
	naracteristics	<u> </u>		HE		
	anufacture's Name odel Designation		CPD15	CPD16	CPD18	CPD20
				SQ-GB2Li	SQ-GB2Li	SQ-GB2Li
	onfiguration Number	Q (kg)	SQ-GB2Li 1500	1600	1800	2000
	ad Capacity ad Center	c (mm)	500	500	500	500
	wer Type	C (IIIII)	Battery	Battery	Battery	Battery
	perator Type		Seated	Seated	Seated	Seated
	neelbase	L1 (mm)	1292	1292	1400	1400
	neels & Tyres	LT (min)	1292	1292	1400	1400
	re Type		SE	SE	SE	SE
	res Number (Front/Rear)		2/2	2/2	2/2	2/2
	ead(centre of tyre),front	W3 (mm)	910	910	920	920
		W2 (mm)	180	180	180	180
	ead(centre of tyre),rear	VVZ (111111)	18×7-8	18×7–8		
	re Size, Front re Size, Rear		140/55-9	140/55-9	200/50-10 140/55-9	200/50-10 140/55-9
	mensions		140/00-8	140/35-9	140/35-8	140/00-9
	ad Distance	L2 (mm)	365	365	365	372
	ast Tilt Angle,F/R	a/β (° )	5/7	5/7	5/7	5/7
	ight with Mast Lowered	H1 (mm)	2175	2175	2175	2175
	ee Lift	H3 (mm)	90	90	90	90
	andard Lift Height	H (mm)	3300	3300	3300	3300
	eight with Mast Extended	H2 (mm)	4039	4039	4039	4039
	rerhead Guard Height	H4 (mm)	2040	2040	2040	2040
	rk Size T×W×L	L4/W/T(mm)	35×100×920	35×100×920	35×100×920	40 × 122 × 920
	rk Carriage to DIN 15173 A/B		2A	2A	2A	2A
	ngth to fork face	ľ (ṃm)	1852	1852	1962	1967
	verall Width	W1 (mm)	1060	1060	1120	1120
	Itside Turning Radius	r (mm)	1487	1487	1595	1595
	ound Clearance at mast ,Loaded	H5 (mm)	85	85	90	90
	bund Clearance at mast ,Loaded	H6 (mm)	100	100	100	100
	ht Stack Aisle width (Pallet size 1000x1000mm, clearance:200mm)	Ast (mm)	3140	3140	3248	3248
	ht Stack Aisle width (Pallet size 1200x1200mm, clearance:200mm)	Ast (mm)	3363	3363	3471	3471
	eral Fork Adjustment (Outside of Forks) Max./Min.	W5 (mm)	960/200	960/200	1030/200	1030/245
	erformances	()	300/200	300/200	1000/200	1000/240
	avel Speed,loaded/unloaded	km/h	16/16	16/16	16/16	16/16
	ting Speed,loaded/unloaded	m/s	0.38/0.6	0.43/0.6	0.43/0.6	0.40/0.60
	wering Speed,loaded/unloaded	m/s	0.50/0.40	0.50/0.40	0.50/0.40	0.50/0.40
	adient performance with loaded	%	20	20	20	20
	ax. draw bar pull with load	N	13500	13500	14500	14500
	eight					
	tal Approximate Weight(W/O battery)	kg	2990	3250	3350	3600
	le Loading*: Unloaded,Front/Rear	kg	1420/1570	1490/1760	1620/1730	1640/1960
	le Loading*: Loaded,Front/Rear	kg	3930/560	4170/680	4450/700	4850/750
	ittery					
	ttery Voltage/rated capacity(K <sub>s</sub> )	V/Ah	48/404	48/404	48/404	48/404
	ttery weight	kg	265	265	270	270
	otor & Controller					2. 0
	ive Motor – 60 Min. Rating	kW	5.4x2	5.4x2	5.4x2	5.4x2
	mp Motor - S3 15% Rating	kW	11	11	11	11
	ive Motor Control Method		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
	mp Motor Control Method		MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
	rvice Brake/Parking Brake		Electric/Electric	Electric/Electric	Electric/Electric	Electric/Electric
	elief Pressure	Мра	17.5	21	17.5	17.5





Ast: Right angle stacking aisle width a: Clearance,200mm

2000 1800 1500 1250 1000 750 500 AD CENTER(mm) 500 700 900 1100 CPD15 CPD16 CPD18 CPD20

**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	Configuration	Voltage(V)	Capacity(Ah)	Supplier
CPD15/16SQ-GB2LI	Standard	48	404	ENEROC
CPD18/20SQ-GB2LI	Standard	48	404	ENEROC
	Ontional	48	542	ENEROC



## RENEWABLE ENERGY TECHNOLOGIES

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.



last .	Max. Lift height	Сар	acity at 50	Omm;load	center	Height with mast lowered (mm)	Tilting Angle	service weight(Kg)					
nodel	(mm)	1.5t	1.6t	1.8t	2.0t	1.5-2t	(α/β)(°)	1.5t	1.6t	1.8t	2.0		
1200	2000	1500	1600	1800	2000	1525	5-7	2836	3111	3111	346		
1250	2500	1500	1600	1800	2000	1775	5-7	2862	3137	3137	348		
1300	3000	1500	1600	1800	2000	2025	5-7	2889	3164	3164	351		
1330	3300	1500	1600	1800	2000	2175	5-7	2905	3180	3180	353		
1350	3500	1500	1600	1750	2000	2275	5-7	2915	3190	3190	354		
1370	3700	1500	1600	1750	2000	2375	5-7	2929	3304	3204	355		
1400	4000	1500	1600	1750	1950	2575	3-5	2973	3248	3248	359		
1425	4250	1500	1600	1750	1900	2700	3-5	2986	3261	3261	361		
1450	4500	1400	1500	1700	1850	2825	3-5	2999	3274	3274	362		
1500	5000	1300	1400	1600	1700	3075	3-3	3025	3300	3300	365		
1550	5500	1100	1200	1400	1400	3375	3-3	3106	3381	3381	373		
1600	6000	800	900	1000	1100	3625	3-3	3135	3410	3410	376		

Mast	Max. Lift height	Capacity at 500mm;load center			Height with mast lowered (mm)	Free lift (with Backrest)	Tilting Angle	service weight(Kg)				
model	(mm)	1.5t	1.6t	1.8t	2.0t		1.5-2t	(α/β)(°)	1.5t	1.6t	1.8t	2.0t
ZM200	2000	1500	1600	1800	2000	1525	510	5-7	2867	3142	3142	3492
ZM250	2500	1500	1600	1800	2000	1775	760	5-7	2895	3170	3170	3520
ZM300	3000	1500	1600	1800	2000	2025	1010	5-7	2924	3199	3199	3549
ZM330	3300	1500	1600	1800	2000	2175	1160	5-7	2941	3216	3216	3566
ZM350	3500	1500	1600	1750	2000	2275	1260	5-7	2952	3227	3227	3577
ZM370	3700	1500	1600	1750	2000	2375	1360	5-7	2967	3242	3242	3592
ZM400	4000	1500	1600	1750	1950	2575	1560	3-5	3011	3286	3286	3636

NOTE: 1.5-2T:free lifted height 394mm increased without backrest.

Mast nodel	Max. Lift height	Capac	ity at 500	mm;load	center	Height with mast lowered (mm)	Free lift (with Backrest)	Tilting Angle	service weight(Kg)				
	height (mm)	1.5t	1.6t	1.8t	2.0t	1.5-2t	1.5-2t	(α/β)(°)	1.5t	1.6t	1.8t	2.0t	
SM360	3600	1500	1600	1750	2000	1790	775	3-5	3038	3313	3313	3663	
SM400	4000	1500	1600	1750	2000	1925	910	3-5	3065	3340	3340	3690	
SM435	4350	1400	1500	1700	1900	2040	1025	3-5	3089	3364	3364	3714	
SM450	4500	1400	1500	1700	1850	2090	1075	3-5	3099	3374	3374	3724	
SM470	4700	1350	1450	1650	1750	2160	1145	3-5	3113	3388	3388	3738	
SM480	4800	1350	1450	1650	1750	2190	1175	3-5	3119	3394	3394	3744	
SM500	5000	1200	1300	1600	1700	2290	1275	3-3	3139	3414	3414	3764	
SM540	5400	1050	1150	1250	1400	2425	1410	3-3	3167	3442	3442	3792	
SM600	6000	800	900	1000	1100	2640	1625	3-3	3210	3485	3485	3835	
SM650	6500	700	800	900	1000	2830	1815	3-3	3248	3523	3523	3873	

NOTE: 1.5-2T:free lifted height 364mm increased without backrest. 1.5-2T:free lifted height 364mm increased without backrest when assemble with pulley block.

NOTE:(1)Detailed information about battery, please contact our salesmen or engineer. (2)For configuration number, 2: ZAPI Controller.