





HELI



Battery capacity @ @ Ø B S B B A

0 2 2 4 5 6 7 8 8 ① DC type pump controller fault indicator ② Turtle indicator ② Fault alarm light ④ Low electric quantity indicator Seat indicator
 Parking brake indicator
 Neutral indicator
 Warning light

Hand brake light Seat indicator Lifting lock indicator Battery indiciator Neutral Indicator Low speed

Wolting LED (NO USE)

Keyboard button :Roll up

Keyboard button 'Set up

Handbrake status LED

Keyboard button :Out

Seat switch LED

Keyboard button :Set down

Keyboard button Roll down



ZAPI Display

-000 000

90000

- Charging efficiency higher than 95% meeting the requirements of energy saving and emissions > Speediness
- 100% charging realized in 65mins at the soonest.

Carpet boom

Driver's cab

Lifting hook

Lifting boom

Tip-over fork

Side shifting

Back view mirror

Paper roll clamp

solid tyre (1-3t)

Rear working light

Warning light (rotating or buzzing)

- > Compatibility 48 v / 80 v compatibility meeting the demand of different voltage levels.
- Built-in mis-connecting protection offering self isolating function under fault; Perfect fault self checking alarm facilitating users maintenance.

Wide view basic mast Standard fork li (ii) 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

Steel protection net Multipurpose drum clamp Load stabilizer LED lamp, strobe caution light Widen fork carriage Rear driving handle with horn button Lengthening fork

Fork sleeve Double tyre protection device Auxiliary hydraulic valve component Tilting/steering cylinder cover Coloring tyre (white/green) wide view two/three stage full free mast Turn automatic deceleration function

Customised colour Battery lifting sling HELI smart fleet management system 1-3.5 t PIION

G series Lithium Battery Powered Counterbalanced Forklift Truck (UPGRADED)



G_{SERIES} 1-3.5 t TION

Maintenance Free

· Manual maintenance free

Long Service Life

working condition

. Unnecessary of fluid adding and dust

. Over 75% capacity reserved after 4000 shifts

high performance lithium battery assembly

Suitable for working in both high

and low environment

working between -25°C and 55°C

. Longer service life than lead-acid battery in equal

. 5 years or ten thousand hours quality guarantee for



management



- Low noise
- · No corrosion
- No acid mist volatilization

Environment Friendliness

- Zero emission







- · 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

High Efficiency and Energy Saving

- 1-2hours charging meet 6-8 hours working demand . High-energy density, self discharging rate lower than 1%
- 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



Explicit Cost

Hidden Cost



· Lithium battery is better than lead-acid battery when

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



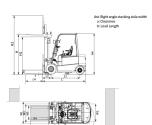


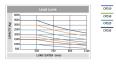




G_{SERIES} 1-3.5 t TION

	nufacturer's Data and Design Characteristics									
							HELI			
	manufacturer									CPD35
	model	-		CPD10	CPD15	CPD18	CPD20	CPD25	CPD30	
	configuration number			GB2LI/GB3LI 1000	GB2LI/GB3LI 1500	GB2LI/GB3LI 1800	GB2LI/GB3LI	GB2LI/GB3LI	GB2LI/GB3LI	GB2LI/GB3LI
	rated capacity	Q	kg				2000	2500	3000	3500
	load center distance	c	mm	500	500	500	500	500	500	500
	power mode			lithium battery seated	lithium battery seated	lithium battery seated	lithium battery seated	lithium battery seated	lithium battery seated	lithium battery seated
	driving mode wheel base					1380				
		u	mm	1380	1380	1380	1550	1550	1715	1715
	tyre			pneumatic tyre	pneumatic tyre	pneumatic tyre/solid				
	tyre type Wheels, number front rear (X=driven wheels)	-		pneumatic tyre 2X/2	pneumatic tyre 2X/2	pneumatic tyre/solid 2X/2	pneumatic tyre	pneumatic tyre	pneumatic tyre/solid 2/2	solid tyre 2/2
	front wheel base	W3	mm	910	910	910	2/2 960	2/2 960	1000	1000
	rear wheel base	W2	mn	920	920	920	960	950	990	990
	tyre (front)	W.Z	mm	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
				16×6-8-10PR	16×6-8-10PR	16×6-8-10PR	23×9-10-16PR 18×7-8-14PR	23×9-10-16PR 18×7-8-14PR	28×9-15-14PR 200/50-10	28×9-15 200/50-10
	tyre (rear) size			16×6-8-10PK	19×9-8-10NK	19×9-8-10NK	18 × r-8-14PM	18×7-8-14PR	200/50-10	200/50-10
	size front overhang	12	mm	390	390	390	425	425	485	490
		α/β	mm	6/8	6/8	6/8	425 6/8	425 6/8	485 6/10	490 6/10
	mast tilt angle , front/rear height with mast retraction	Q/β H1	mm	6/8 1985	6/8 1985	6/8 1985	6/8 1995	6/8 1995	6/10 2075	6/10 2180
		H1	mn	1985 145	1985 145	1985 145	1995 145	1995 145	2075 145	2180 150
	free lifting height Max. lifting height	H3	mm	145 3000	145 3000	145 3000	145 3000	145 3000	145 3000	150 3000
		H2	mn	4030	4030	4030	4042	4042	4230	4230
	Mast height, extended overhead guard height	H4	mn	4030 2130	4030	4030 2130	4042 2150	2150	4230 2215	4230 2215
	fork size:thickness×width×length	TxWx14	mn	32×100×770	35×100×920	35×100×920	40×122×920	40×122×1070	45×125×1070	50×125×1070
		1×W×L4	mn	32×100×770 2A	35×100×920	35×100×920 2A	40×122×920 2A	40×122×1070 2A	45×125×1070 3A	50×125×1070
	fork carriage, ISO 2328, class/ type A,B truck body length (fork excluded)	L.	mm	2A 2070	2A 2070	2A 2070	2A 2270	2A 2280	3A 2525	3A 2550
		WI	mm	2070	2070	2070 1086				
	truck body width	W1	mm				1185	1185	1245	1245
	turning radius			1750	1750	1750	2000	2010	2240	2260
	clearance between mast and ground	H5	mm	90	90	80	110	110	135	135
	clearance between wheel base center and ground (loaded)	H6	mm	80	80	75	115	115	145	145
	right angle stacking aisle width(pallet1000x1000mm,clearance 200mm)	Ast	mm	3340	3340	3340	3625	3635	3995	4020
	right angle stacking aisle width(pallet1200x1200mm,clearance 200mm)	Ast	mm	3540	3540	3540	3825	3835	4125	4150
	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									
	travelling speed: loaded/unloaded		km/h	15.0/16.0	15.0/16.0	15.0/16.0	16/16	16/16	17/18	16.5/17.5
	lifting speed: loaded/unloaded		mm/s	410/600	400/600	380/600	350/510	330/510	340/460	325/450
	lowering speed: loaded/unloaded		mm/s	400/500	400/500	400/500	450/500	450/500	-/500	-/500
	gradeability (loaded)		%	24	22	20	22	20	18	15
	Max. traction force (loaded)		N	11000	12500	12500	16000	16500	21700	21700
	acceleration time (10m) loaded/unloaded		5	5.0/4.4	5.2/4.5	5.2/4.6	4.6/4.4	4.6/4.4	4.7/4.5	4.9/4.7
	weight									
	total weight (with /without battery)		kg	2700/2350	2955/2605	3105/2755	3600/3340	3910/3650	4450/4100	5060/4710
	axle load: unloaded, front/rear		kg	1420/1280	1370/1585	1375/1730	1485/2115	1680/2230	2050/2400	2240/2820
	axle load: loaded, front/rear		kg	3130/570	3870/585	4255/600	4678/922	5670/740	6770/680	7760/800
	battery									
	battery voltage/capacity(discharging capacity in 5 hours)		V/Ah	80/202	80/202	80/202	80/271	80/271	80/404	80/404
	battery weight		kg	230	230	230	260	260	350	350
	motor and controller									
	driving motor power (\$2-60min)		kW	8.2	8.2	8.2	12	12	16.6	16.6
	lifting motor power (\$3-15%)		kW	10.6	10.6	10.6	15	15	13.5	13.5
	drive motor controlling mode			MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
14 I	lifting motor controlling mode			MOSFET/DC	MOSFET/DC	MOSFET/DC	MOSFET/AC	MOSFET/AC	MOSFET/AC	MOSFET/AC
	others									
01 :	service brake/parking brake			hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanical	hydraulic/mechanic
12 1	hydraulic system working pressure		Мра	14.5	14.5	17.5	17.5	17.5	21	21
	type of drive control			ZAPI/INMOTION	ZAPI/INMOTION	ZAPI/INMOTION	ZAPI/INMOTION	ZAPI/INMOTION	ZAPI/INMOTION	ZAPI/INMOTION





Note: standard, optional, - non-configurable

Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the first nutralice of the firsts to the gravity of the standard load, the standard load means a cubic with 1000mm edge length. When mast is titled forward, using non-standard forbs 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.

CP015 CP020 CP030

LITHIUM	BATTERY, CHARGE	R										
	Lithium battery brand		EN	ROC		CNSG Hong SIFANG						
Model	Voltage Capacity	202Ah	271Ah	404Ah	542Ah	320Ah	400Ah	500Ah	500Ah			
CP010/CP015 /CP018		٠	0	-	-	-	-	-	-			
CP020/CP025	82V	-	٠	0	-	0	0	0	-			
CP030/CP035		-	-	٠	0	-	0	0	0			
	erature preheating on battery PACK		٠,					-				
	harger			D60V-26	00A-Li 00A-Li-42	(Charg 3 (Charg	ing gun) (ng gun)					

Mast model	Max. Lifting height			(Load co	ad capac enter 500	ity mm)(kg)				Mast ove (n			Mast ti (α/)	lt angle β)(*)	Weight (kg)							
moon	(mm)	1t	1.5t	1.8t	2t	3t	2.5t	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	3.5	
M200	2000	1000	1500	1800	2000	3000	2500	3500	1485	1495	1570	1680	6/8	6/10	2670	2925	3075	3510	3820	4355	496	
M250	2500	1000	1500	1800	2000	3000	2500	3500	1735	1745	1820	1930	6/8	6/10	2685	2940	3090	3555	3865	4395	501	
M300	3000	1000	1500	1800	2000	3000	2500	3500	1985	1995	2070	2180	6/8	6/10	2700	2955	3105	3600	3910	4450	506	
M330	3300	1000	1500	1800	2000	3000	2500	3500	2135	2145	2220	2330	6/8	6/10	2720	2975	3125	3630	3940	4480	509	
M350	3500	1000	1500	1800	2000	3000	2500	3500	2235	2245	2320	2430	6/8	6/10	2735	2990	3140	3645	3955	4500	511	
M370	3700	1000	1500	1800	2000	3000	2500	3400	2335	2345	2420	2530	6/8	6/6*6/10	2745	3000	3150	3665	3975	4530	513	
M400	4000	1000	1500	1800	2000	2950	2500	3350	2535	2545	2620	2730	6/5	6/6*6/10	2795	3050	3200	3725	4035	4595	520	
M425	4250	1000	1500	1800	2000	2850	2500	3250	2660	2670	2745	2855	6/5	6/6*6/10	2810	3065	3215	3745	4055	4620	523	
M450	4500	1000	1400	1600	1900	2750	2300	3100	2785	2795	2870	2980	6/5	6/6*6/10	2830	3085	3235	3770	4080	4645	5255	
M500	5000	1000	1200	1350	1800	-3498	-1858	-2650	3035	3045	3120	3230	6/5 *6/5	6/6*6/6	2860	3115	3265	3815	4125	4695	530	
M550	5500	900	1100	-1200	1400	-2558 -2458	-1888 -1888	-2650 -2600 -2600 1550	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	.1500	.1100	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
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Mast model	Max. Litting heads			(Load c	oad capa enter 50	icity Omm)(k	g)		Mast overall height (mm)				Free	irtingheig (ri	ht (with b nm)	ackrest)	Mast ti	lt angle β)(")	Weight (kg)						
iikuei	(mm)	1t	1.5t	1.8t	2t	2.5t	3t	3.5t	1-1.8t	2-2.5t	31	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.
ZM200	2000	1000	1500	1800	2000	2500	3000	3500	1485	1495	1570	1680	478	447	380	500	6/8	6/10	2680	2935	3085	3520	3830	4396	50
ZM250	2500	1000	1500	1800	2000	2500	3000	3500	1735	1745	1820	1930	728	697	630	750	6/8	6/10	2715	2970	3120	3570	3880	4440	50
ZM300	3000	1000	1500	1800	2000	2500	3000	3500	1985	1995	2070	2180	978	947	880	1000	6/8	6/10	2750	3005	3155	3615	3925	4486	51
ZM330	3300	1000	1500	1800	2000	2500	3000	3500	2135	2145	2220	2330	1128	1097	1030	1150	6/8	6/10	2770	3025	3175	3645	3955	4513	51
ZM350	3500	1000	1500	1800	2000	2500	3000	3500	2235	2245	2320	2430	1228	1197	1130	1250	6/8	6/10	2785	3040	3190	3665	3975	4531	51
ZM370	3700	1000	1500	1800	2000	2500	3000	3400	2335	2345	2420	2530	1328	1297	1230	1350	6/8	6/6 *6/10	2795	3050	3200	3685	3995	4549	51
M400	4000	1000	1500	1800	2000	2500	2950	3350	2535	2545	2620	2730	1528	1497	1430	1550	6/5	6/6 *6/10	2845	3100	3250	3745	4055	4621	52
ZM425	4250	1000	1500	1800	2000	2500	2850	3250	2660	2670	2745	2855	1653	1622	1555	1675	6/5	6/6 *6/10	2865	3120	3270	3770	4080	4643	52
ZM450	4500	1000	1400	1600	1900	2300	2750	3100	2785	2795	2870	2980	1778	1747	1675	1800	6/5	6/6 *6/10	2885	3140	3290	3795	4105	4666	52
ZM500	5000	1000	1200	1350	1800	-1950	.2490	2650	3035	3045	3120	3230	2028	1997	1930	2050	6/5 *6/5	6/6 *6/6	2915	3170	3320	3845	4155	4711	53
M550	5500	900	1100	1200	1400	.1556 1950	-2400 -2250 -2250 -1500	-2650 -2508 -2508 -1508	3335	3345	3420	3530	2328	2297	2230	2350	3/3 *6/5	3/6 *3/6	2980	3235	3385	3925	4235	4801	54
ZM600	6000	*1000	*1150	*1400	950	1100	1500	1550	3585	3595	3670	3780	2578	2547	2480	2600	3/3 *6/5	3/6 *3/6	3010	3265	3415	3975	4285	4848	54

Note: (1) "refers to rated capacity with dual front times or widen times; (2) 1-1.8:: free lithing height 205mm increase without backnest; (3) 2-2.5:: free lithing height 307mm increase without backnest; (4) 3-3.51: free lithed height 30mm increased without backnest;

				1/	oad capac	ito			Mast overall height Free lifting height (with backrest)						Mast tilt angle Weight										
Mast model	Max. Litting height			(Load c	enter 500	mm)(kg)			(mm)				(m				3)(")	(kg)							
model	(mm)	1t	1.5t	1.8t	2t	2.5t	3t	3.5t	1-1.8t	2-2.5t	3-3.5t	1-1.8t	2-2.5t	3t	3.5t	1-2.5t	3-3.5t	1t	1.5t	1.8t	2t	2.5t	3t	3.58	
SM360	3600	1000	1500	1800	2000	2500	3000	3400	1780	1975	1930	770	774	740	745	6/8	6/6	2795	3050	3145	3760	4070	4705	5285	
SM400	4000	1000	1500	1800	2000	2500	2900	3250	1915	1920	2055	905	900	865	870	6/5	6/6	2820	3075	3170	3795	4105	4740	5320	
SM435	4350	1000	1450	1650	2000	2450	2750	3150	2030	2045	2180	1020	1024	990	995	6/5	6/6	2845	3100	3195	3830	4140	4775	5355	
SM450	4500	1000	1400	1600	2000	2300	2700	3000	2080	2095	2230	1070	1074	1040	1045	6/5	6/6	2855	3110	3205	3845	4155	4791	5371	
SM470	4700	1000	1350	1550	2000	2200	2700	2900	2150	2160	2230	1140	1140	1140	1048	6/5	6/6	2870	3125	3220	3860	4170	4795	5375	
SM480	4800	1000	1300	1500	1900	2050	2600	2800	2180	2195	2330	1170	1174	1140	1145	6/5	6/6	2880	3135	3230	3870	4180	4820	5400	
SM500	5000	1000	1200	1300	1800	-1950	-2400 -2500	2650	2280	2295	2430	1270	1274	1240	1245	6/5 *6/5	6/6 *6/6	2900	3155	3250	3900	4210	4849	5429	
SM540	5400	1000	1000	-1288	1400	-1558	-3358	2500	2405	2420	2555	1395	1400	1365	1370	3/3 *6/5	3/6 *3/6	2925	3180	3275	3940	4250	4884	5464	
SM600	6000	1688	-1788	1358	*1500	-1100 1800	-1558	.1550	2630	2645	2780	1620	1624	1590	1595	3/3 *6/5	3/6 *3/6	2995	3250	3345	4005	4315	4983	5563	
SM650	6500	1888	-1888	-1888	1400	-1000 -1000	-1558 -1588 -2588	-3300	2830	2835	2970	1820	1814	1788	1793	3/3 *3/5	3/3 *3/3	3035	3290	3385	4035	4345	5036	5616	
SMT00	7000	*900	*950	*950	300	1200	-3850	-1000	3015	3105	3240	2005	2084	2058	2063	3/3 *3/5	3/3 *3/3	3075	3330	3425	4090	4400	5120	5700	

Note: (1) *refers to rated capacity with dual front tires or widen tires;
(2) 1.13t; free lifting height 450mm increase without backins; 1;
(3) 1.13t; reve lifting height 450mm increase without backins; 4;
(4) 2.25t; reve lifting height 451mm increase without backins; 4;
(5) 3.43t; reve lifting height 451mm increase without backins;
(6) 3.43t; reve lifting height 451mm increased without backers.