TOUGH WORLD.TOUGH EQUIPMENT.

LIUGONG
FORKLIFTS

LG-PB-CPDS16-18-FMI -022025-EN

The LiuGong series of logos herein, including but not limited to word marks, device marks, letter of alphabet marks and combination marks, as the registered trademarks of Guangxi LiuGong Group Co., Ltd. are used by Guangxi LiuGong Machinery Co., Ltd. with legal permission, and shall not be used without permission. Specifications and designs are subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment. Equipment and options varies by regional availability.

Liuzhou Liugong Forklift Co., Ltd.
No. 1 Yanghe Avenue, Yanghe Industrial
New Zone, Liuzhou City, Guangxi
Zip Code (P): 545006
Sales Hotline (T): 0772-2040713
Service Hotline (T): 0772-2040720/ 0772-2040721 E-mail
(E): liugonglrs@liugong.com
Website (W): www.lgforklift.cn

Official website

Media Platform

LIUGONG
FORKLIFTS

F SERIES LITHIUM BATTERY FORKLIFT TRUCK

CPDS16-20-FMI



TOUGH WORLD.TOUGH EQUIPMENT.

SAVE TIME

Unique appearance,Maximum manoeuvrable

- The new family platform design, powerful appearance,modern design present fashion industry concept
- Closed automotive Grade instrument platform,beautiful and elegant;
- Special-shaped steel over head guard for easy cabin installation.



SMART

Precise control,Comfortable

- Equip with lift potentionmeter,lift flexibility;
- Load sensitive multi-way valve, improve hydraulic system efficiency, control performance more accurate;
- Transmission,hydraulic,structure and cover parts adopt vibration and noise reduction design,less than 65dB,reaching the industry-leading level.

Strong power,Efficient and flexible

- High speed duel asynchronous drive motor with duel transmission,acceleration response fast and excellent gradeability steering more flexible;
- Compact dimension, small turning radius and great maneuverability suitable for narrow space warehouse;
- Hydraulic control lever located on right side of seat, optional electrical proportion control provide more comfortable to operate.



Advance platform,Easy and convenient

- A new generation of lithium electric forklift special platform,lower center of gravity,more stable driving;
- The side removeable lithium battery can achieve 3 minutes of quick exchange to meet the continuous operation of multiple shifts;
- High residual capacity When lifting heavy goods(No lost capacity up to 4500mm height).



RELIABLE



Reliable plateform，confidently use

- Integral casting bridge, tapered roller bearing, more durable;
- Vehicle water-proof level achieve IPX4；Three core electric protection level IP54 or above，meet all-weather operation;
- Standard heating battery, adapt to low temperature environment.

WORRY FREE



Safe and intelligent，technological escort

- Equip with a 4.3’ intelligent LCD instrumenti, runtime display of truck status,Three drive modes to select,so to meet the requirements of different working condition;
- Passed FOP（Fall object impact）CE certification requirement;
- LiuGong i-link truck fleet management.

SAVE MONEY

High efficiency and energy saving,low cost



- High efficient Permanent magnet synchronous system,a 15% reduction in energy consumption result in lower usage costs;
- Braking regenerative energy recovery system,longer working time.

Easy maintenance reduce cost

- Maintenace-free lithium battery,service life of more than 5000 cycles;
- The lubrication points are arranged in the maintenance area,easily tagged;
- Luxurious instrument cover can adapt to the operation of the dust environment.

LOW TCO

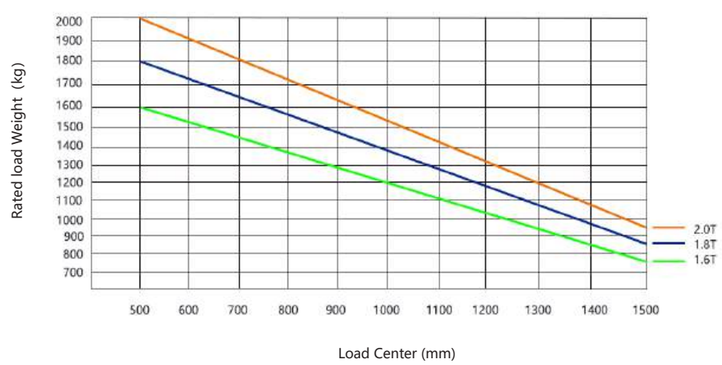
Robust and durable,High residual value



- High-strength steel,significant return on investment;
- The cabin cover is scratch-proof and not easily damaged;
- Standard light protection remains undamaged.

MAST AND CAPACITY INFORMATION

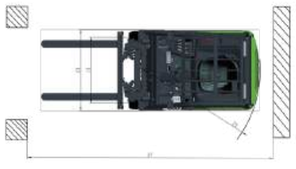
Mast Type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift (FL) with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity						Total Weight with Standard Forks		
					With Standard Forks			With Sideshifter					
	mm	mm	mm	°	kg @ 500mm LC			kg @ 500mm LC			kg		
	16/18/20				16	18	20	16	18	20	16	18	20
Standard 2-Stage	2000	1500	110	6/7	1600	1800	2000	1450	1650	1850	2921	3002	3156
	2300	1650	110	6/7	1600	1800	2000	1450	1650	1850	2942	3023	3177
	2500	1750	110	6/7	1600	1800	2000	1450	1650	1850	2957	3038	3192
	2700	1850	110	6/7	1600	1800	2000	1450	1650	1850	2971	3052	3206
	3000	2000	110	6/7	1600	1800	2000	1450	1650	1850	2990	3071	3225
	3300	2150	110	6/7	1600	1800	2000	1450	1650	1850	3015	3096	3250
	3500	2250	110	6/7	1600	1800	2000	1450	1650	1850	3029	3110	3264
	4000	2550	110	6/7	1600	1800	2000	1450	1650	1850	3099	3180	3334
	4500	2800	110	6/7	1450	1600	1800	1300	1450	1650	3135	3216	3370
	5000	3050	110	6/7	1350	1500	1600	1200	1350	1450	3171	3252	3406
	5500	3350	110	6/7	1200	1400	1500	1050	1250	1350	3241	3322	3476
	6000	3600	110	6/7	1000	1100	1300	850	950	1150	3277	3358	3512
Full Free 2-Stage	2500	1750	1094	6/7	1600	1800	2000	1450	1650	1850	2947	3028	3182
	2700	1850	1194	6/7	1600	1800	2000	1450	1650	1850	2962	3043	3197
	3000	2000	1344	6/7	1600	1800	2000	1450	1650	1850	2985	3066	3220
	3300	2150	1494	6/7	1600	1800	2000	1450	1650	1850	3011	3092	3246
	3500	2250	1594	6/7	1600	1800	2000	1450	1650	1850	3026	3107	3261
Full Free 3-Stage	3600	1790	1134	6/7	1600	1800	2000	1450	1650	1850	3095	3176	3330
	4000	1920	1264	6/7	1600	1800	2000	1450	1650	1850	3124	3205	3359
	4300	2020	1364	6/7	1550	1700	1900	1400	1550	1750	3150	3231	3385
	4500	2090	1434	6/7	1450	1600	1800	1300	1450	1650	3164	3245	3399
	4700	2160	1504	6/7	1350	1550	1700	1200	1400	1550	3180	3261	3415
	5000	2260	1604	6/7	1300	1500	1600	1150	1350	1450	3203	3284	3438
	5500	2510	1854	6/7	1200	1400	1500	1050	1250	1350	3280	3361	3515
	6000	2760	2030	6/7	1000	1100	1300	850	950	1150	3333	3414	3568
	6500	3010	2210	6/7	800	900	1100	650	750	950	3409	3490	3644



PRODUCT SPECIFICATIONS

General	Model	1			CPDS16	CPDS18	CPDS20
	Configuration number	2			FMI	FMI	FMI
	Base Capacity	3	Rated load center	kg	1600	1800	2000
	Load center	4		mm	500	500	500
Weights	Service weight	5	Unloaded	kg	2898	2988	3148
	Axle load	6	Loaded,front/rear		3932/1286	4228/1311	4593/1285
		7	Unloaded,front/rear		566/1613	515/1683	556/1864
Tyres	Tire type	8	Front/rear		Solid tires	Solid tires	Solid tires
	Wheels	9	Front/rear		2 / 2	2 / 2	2 / 2
	Wheelbase	10		mm	1360	1360	1360
	Tire size	11	Front		18x7-8	200/50-10	200/50-10
		12	Rear		15×4.5-8	140/55-9	140/55-9
	Tread width	13	Front /Rear	mm	925/180	938/202	938
Mast	Max Fork Height	14	Std 2-Stage mast	mm	3000	3000	3000
	Free lift	15	Std 2-Stage mast	mm	110	110	110
	Height,mast lowered	16	Std 2-Stage mast	mm	2000	2000	2000
	Height,mast extended	17	Std 2-Stage mast	mm	4079	4079	4079
	Mast tilt,fwd/back	18	Std 2-Stage mast	deg	6°/7°	6°/7°	6°/7°
	Fork carriage	19	Installation rating		1084	1084	1084
	Fork spread	20	Minimum/Maximum	mm	244/1040	244/1040	244/1040
	Fork dimensions	21	T x W x L	mm	35 x100 x1070	35 x100 x1070	35 x 100 x 1070
Chassis	Overall Length(to fork face)	22	Std 2-Stage mast	mm	1986	1986	2036
	Overall Width	23		mm	1136	1136	1136
	Overheadguard Height	24		mm	2040	2040	2040
	Turning Radius	25		mm	1600	1600	1650
	Fork overhang	26		mm	390	390	390
	Right angle stack	27	Ast 800x1200 Crossway	mm	3440	3440	3490
		28	Ast 800x1200 Lengthway	mm	1800	1800	1850
	Ground Clearance	29	Loaded below mast	mm	91	91	91
		30	Center of wheelbase	mm	100	100	100
Performance	Travel speed	31	Full load,Unloaded	km/h	16/17	16/16	16/16
	Lift speed	32	Full load,Unloaded	mm/s	450/600	430/600	400/600
	Lower speed	33	Full load,Unloaded	mm/s	500/460	500/460	500/460
	Max.traction force	34	5-minute working	N	12000	12000	12000
	Maximum Gradeability	35	5-minute working(Full load,Unloaded)	%	22/30	20/25	18/20
Systems	Controller	36			inmotion	inmotion	inmotion
	Motor	37	Drive motor	kW	5x2	5x2	5x2
		38	Work pump motor	kW	16	16	16
	Battery	39	Voltage	V	76.8V	76.8V	76.8V
		40	Capacity	Ah	150/205/230	150/205/230	150/205/230





STANDARD SPECIFICATIONS/ AVAILABLE OPTIONS

CONFIGURATION	STANDARD	OPTION
Battery	150Ah(GB plug);lithium battery heating	205Ah(GB plug);230Ah(GB plug);lithium battery heating
Tires	Solid tire	Non-marking tire;Double solid tires
Valve	2-way valve	3-way valve;4-way valve
Light	LED light;Front work light protect;Reverse Grab Handle with Horn Button	Amber warning light;Rear work light;Plate light;Red rear light(left right rear);Blue spotlight(front and rear)
Charger	380V Three phase 100Ah	380V Three phase 100/150Ah;CE certification ;TUV certification
Intelligent control system	Park brake slope buffer function;Lowering buffer;USB charge port;Curve deceleration;OPS function	Electric proportional valve with armrest;I-link fleet management;AI Obstacle Avoidance;Reversing radar;reversing camera
Over head guard	Over head guard;Rain shelter	Cockpit;Front windshield;Fire extinguisher;Three rear view mirror;Transparent top cover;heater;Air condition(single cool)
Seat	Semi-surround seat	Semi-suspension seat;Full-suspension seat;Grammer seat
Mast	2-stage 3000mm mast	2 stage 3-6m Duplex mast; 2 stage 2.7-3.5m Full Free Lift mast 3 stage 3.6-6.5m Full Free Lift mast
Others	Lowering cushion Sideshifter	Regular attachment