



E SERIES
LITHIUM BATTERY

CPD20/25-EM



CREATING A BETTER FUTURE



LG-PB-CPD20/25-EM -082024-EN

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Media Platform



TOUGH WORLD.TOUGH EQUIPMENT.

MAIN FEATURES

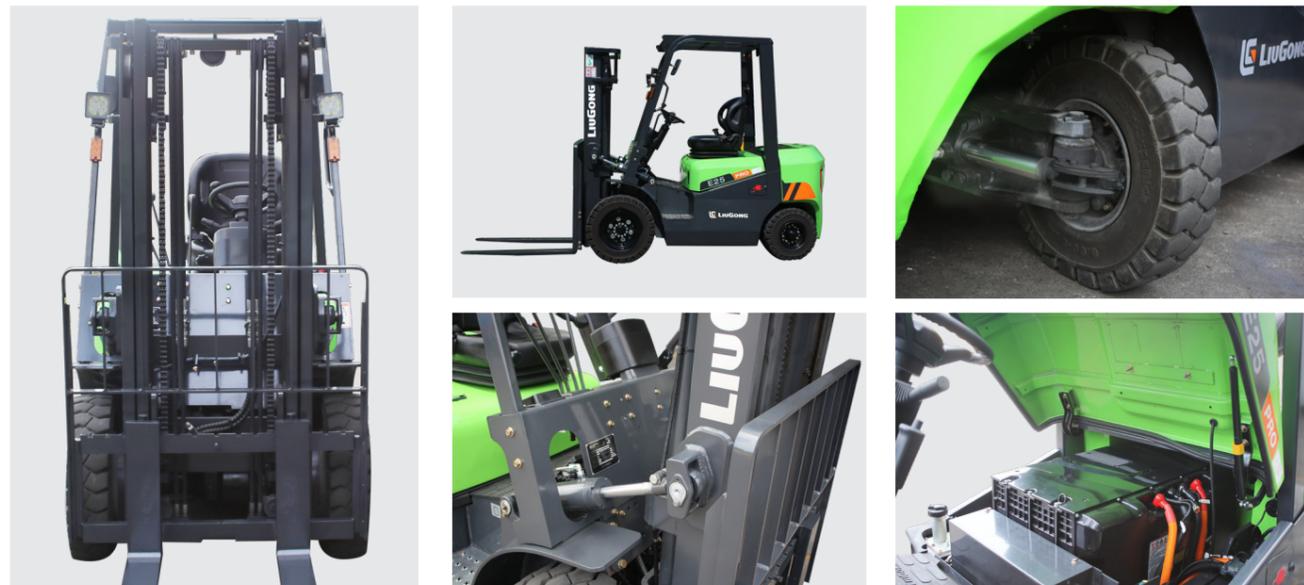
ENERGY SAVING

- With internal combustion forklift platform parts of the universality of 80%, low energy consumption, less than 3 kWh/h
- Simple maintenance machine , free of maintenance battery, motor, electric control,Low maintenance cost,5 years TCO saving than internal combustion truck 50%



DURABLE AND RELIABLE

- Box structure chassis, strong and durable, load capacity increased by 30%, effectively adapt to harsh conditions for long service life
- Large tire design, High ground clearance, good passability, to replace the internal combustion truck
- Integrated casting steering axle with large load capacity and damping block to reduce impact and sevice life
- Enhanced mast and tilt cylinders with high positioning are more suitable for installation of attachments, such as hooks and tilting fork
- The battery protection level reaches IP67 to meet all-weather operation
- High energy density lithium battery, 6 years or 12,000 hours guarantee



HIGH EFFICIENCY

- High speed and power motor with large speed ratio transmission
- Drive and hydraulic precise control, more efficient operation
- High efficiency heat dissipation system suit for a long time under harsh conditions with ambient temperature above 45°C
- Up to 460Ah lithium battery, 2 hours charging, satisfy different working shift



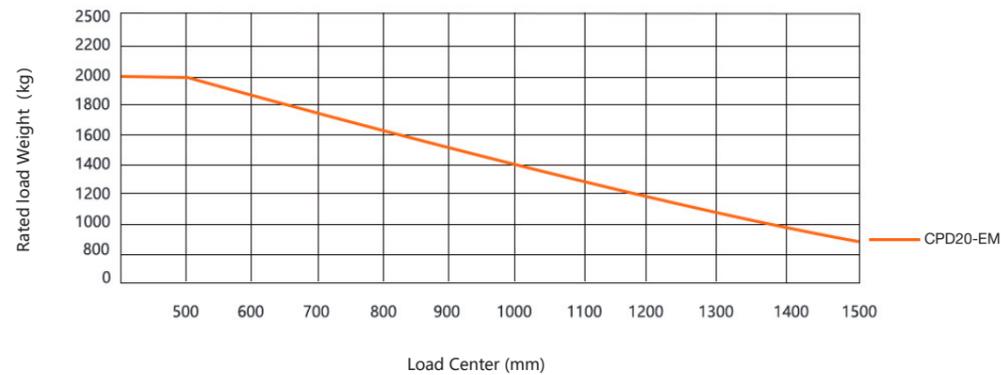
COMFORTABLE OPERATION

- Cockpit ergonomic layout to mitigate driving fatigue
- Automatic slope parking function (3-5s), safer slope operation
- Lifting potentiometer,best micro control performance, smooth and stable lifting
- Reverse grab handle with horn button, improve reversing comfort and safety
- Fork lowering to the bottom buffer make a small impact,protect the goods.



MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height	Mast lowered height	Free Lift with Load Backrest	Mast Tilt Angle	Rated Load Capacity		Total Weight with Standard Forks
					With Standard Forks	With Sideshifter	
	mm	mm	mm	°	kg @ 500mm LC		kg
Standard 2-Stage	CPD20-EM				CPD20-EM		CPD20-EM
	2000	1530	90	6 / 10	2000	1850	3196
	2500	1780	90	6 / 12	2000	1850	3246
	3000	2030	90	6 / 12	2000	1850	3268
	3300	2180	90	6 / 12	2000	1850	3290
	3500	2280	90	6 / 12	2000	1850	3304
	4000	2580	90	6 / 6	2000	1850	3376
	4500	2830	90	6 / 6	1920	1770	3412
Full Free 2-Stage	5000	3080	90	6 / 6	1660	1510	3448
	2700	1950	901	6 / 12	2000	1850	3272
	3000	2100	1051	6 / 12	2000	1850	3298
	3300	2250	1201	6 / 12	2000	1850	3322
Full Free 3-Stage	3500	2350	1301	6 / 12	2000	1850	3338
	3600	1800	751	6 / 6	1800	1650	3382
	4000	1930	881	6 / 6	1800	1650	3414
	4300	2030	981	6 / 6	1700	1550	3414
	4500	2100	1051	6 / 6	1700	1550	3435
	4700	2170	1121	6 / 6	1500	1350	3451
	5000	2270	1221	6 / 6	1500	1350	3488
	5500	2520	1471	6 / 6	1200	1050	3568
6000	2770	1721	6 / 6	900	750	3621	



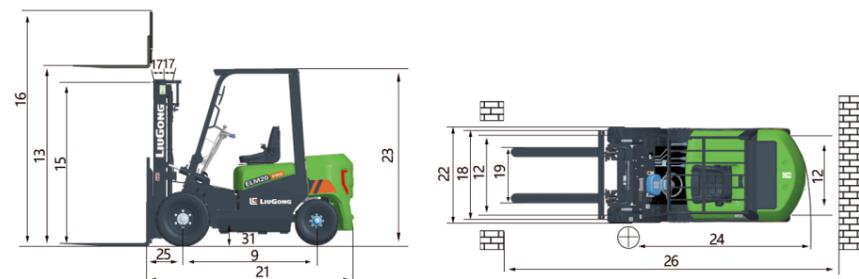
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height	Mast lowered height	Free Lift with Load Backrest	Mast Tilt Angle	Rated Load Capacity		Total Weight with Standard Forks
					With Standard Forks	With Sideshifter	
	mm	mm	mm	°	kg @ 500mm LC		kg
Standard 2-Stage	CPD25-EM				CPD25-EM		CPD25-EM
	2000	1530	90	6 / 10	2500	2350	3516
	2500	1780	90	6 / 12	2500	2350	3566
	3000	2030	90	6 / 12	2500	2350	3588
	3300	2180	90	6 / 12	2500	2350	3610
	3500	2280	90	6 / 12	2500	2350	3624
	4000	2580	90	6 / 6	2500	2350	3696
	4500	2830	90	6 / 6	2420	2270	3732
Full Free 2-Stage	5000	3080	90	6 / 6	2160	2010	3768
	2700	1950	901	6 / 12	2500	1850	3592
	3000	2100	1051	6 / 12	2500	2350	3618
	3300	2250	1201	6 / 12	2500	2350	3642
Full Free 3-Stage	3500	2350	1301	6 / 12	2500	2350	3658
	3600	1800	751	6 / 6	2300	2150	3702
	4000	1930	881	6 / 6	2300	2150	3734
	4300	2030	981	6 / 6	2100	1950	3755
	4500	2100	1051	6 / 6	2100	1950	3771
	4700	2170	1121	6 / 6	1600	1450	3786
	5000	2270	1221	6 / 6	1600	1450	3808
	5500	2520	1471	6 / 6	1300	1150	3888
6000	2770	1721	6 / 6	1000	850	3941	



PRODUCT SPECIFICATIONS

General	Model	CPD20			CPD25		
	Configuration Number	1	EM			EM	
Weights	Base Capacity	2	Rated load center	kg	2000		2500
	Load Center	3		mm	500		500
Tires	Service Weight	4	Unloaded	kg	3268		3588
	Axle Load	5	Full load,front/rear	kg	4618/730		5366/798
Mast		6	Unloaded,front/rear	kg	1420/1848		1383/2205
	Tire Type	7			Pneumatic tire		Pneumatic tire
Chassis	Wheels	8	Front /rear		2/2		2/2
	Wheelbase	9		mm	1650		1650
Performance	Tire Size	10	Front		7.00-12-12PR		7.00-12-12PR
		11	Rear		6.00-9-10PR		6.00-9-10PR
Systems	Tread Width	12	Front /rear	mm	980/980		980/980
	Max. Fork Height	13	Std 2-Stage mast	mm	3000		3000
Attachments	Free lift	14	Std 2-Stage mast	mm	90		90
	Height, mast lowered	15	Std 2-Stage mast	mm	2030		2030
Overhead Guard	Height, mast extended	16	Std 2-Stage mast	mm	4079		4079
	Mast tilt, fwd/back	17	Std 2-Stage mast	°	6/12		6/12
Mast	Fork carriage	18		mm	1040		1040
	Fork spread	19	Min/Max	mm	244/1032		244/1032
Chassis	Fork dimensions	20	T x W x L	mm	40×122×1070		40×122×1070
	Overall Length (to the front end of the fork)	21	Std 2-Stage mast	mm	2570		2570
Performance	Overall width	22		mm	1150		1150
	Overhead Guard Height	23		mm	2100		2100
Systems	Turning Radius	24		mm	2230		2230
	Fork Overhang	25	Std 2-Stage mast	mm	456		456
Chassis	Right Angle Stack	26	AST 800×1200 Crossways	mm	4086		4086
		27	AST 1000×1200 Lengthways	mm	3886		3886
Performance	add load length and clearance	28	AST 800×1200 Crossways	mm	2430		2430
		29	AST 1000×1200 Lengthways	mm	2430		2430
Systems	Ground Clearance	30	minimum loaded	mm	110		110
		31	center of wheelbase	mm	120		120
Performance	Travel speed	32	Full load/unloaded	km/h	15/16		15/16
	Lift speed	33	Full load/unloaded	mm/s	400/540		400/540
Systems	Lower speed	34	Full load/unloaded	mm/s	510/420		510/420
	Max. traction force	35	5-minute working system	N	11500		11500
Performance	Maximum Gradeability	36	5-minute working system (Full load/unloaded)	%	18/25		16/23
	Electric-control	37			Jiachen		Jiachen
Systems	Drive motor	38	S2 60min working system	kW	12		12
	Pump motor	39	S3 15%working system	kW	16		16
Systems	Battery	40	Types		Lithium battery		Lithium battery
		41	Voltage	V	80		80
Systems		42	Capacity	Ah	150		150



STANDARD SPECIFICATIONS/AVAILABLE OPTIONS

CONFIGURATION	STANDARD	OPTIONAL
Lithium battery	80V/150Ah	80V/230Ah、80V/350Ah、80V/460Ah
Charger	Three-phase 380V 80V/65A	Single-phase 220V 80V/75A Three-phase 380V 80V/100A Three-phase 380V 80V/150A Three-phase 380V 80V/200A
Tyres	Pneumatic tyre	Solid tyre、None-marking tyre
Multi valve	Two way valve	Three way valve Four way valve
Seat	Normal suspension seat	Semi-suspension seat、Full-suspension seat、Grammer seat
Mast	2 stage 3m mast	2stage mast 2stage Full-free mast 3stage Full-free mast
Light	LED work light	Rear working light、 Warning light、 Road plate light、 Reverse buzzer
Cooling and heat system	-	Air condition、 Fans heater、 Fans
Auxiliary control	Reverse grab handle with horn button	Curve deceleration、 Bottem lowering buffer、 Reverse camera
Over head guard	-	Cockpit、 Over head guard (windshield)、 Over head guard (front+rear windshield)、 Three direction mirrors
Fork	Fork length 1070mm	Multiple specifications
Attachments	-	Sideshift、 Tilt Fork、 Carbon camp Rotate、 Fork positioning

WEIGHT CHART

* Total weight increased by adding below optional configuration accordingly.

PART	WEIGHT DIFFERENT										
FORK	Size(mm)	1070 (STD)	1220	1370	1520	1670	1820	1970	2120	2440	less forks
	Weight (Kg)	0	12	24	36	46	58	70	82	106	-110
LOAD BACKREST	Size (m)	1.04mx1.1m(STD)	less	1.04mx1.2m	1.04mx1.4m	Lithium battery(Ah)	150Ah	230Ah	410Ah	460Ah	
	Weight (Kg)	0	-29	39	60	Weight (Kg)	5	26	131	152	
CARRIAGE	Size (mm)	1040 (STD)	1100	1200	1500	1800					
	Weight (Kg)	0	3	7	18	36					
TIRES	Type	Front/Rear pneumatic	Front/Rear solid			Front/Rear non-marking			Front Double Solid		
	Weight (Kg)	0/0	45/30			45/30			90		
ATTACHMENTS	Type	Sideshifter(Cascade)/Chinese	Fork positioner			Paper clamp			positioner with side shift		
	Weight (Kg)	53/50	-			393			85		
OVER HEADGUARD AND CAB	Type	Cab with AC/without AC	OVH guard with windscreen			OVH guard with protective plate			Short OVH guard		
	Weight (Kg)	214/182	-			-			-		