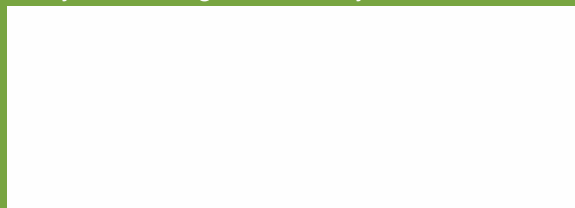




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LIUGONG

E **SERIES**
LITHIUM BATTERY

CPD20/25-EM



TOUGH WORLD. TOUGH EQUIPMENT.

CPD20/25-EM

MAIN FEATURES

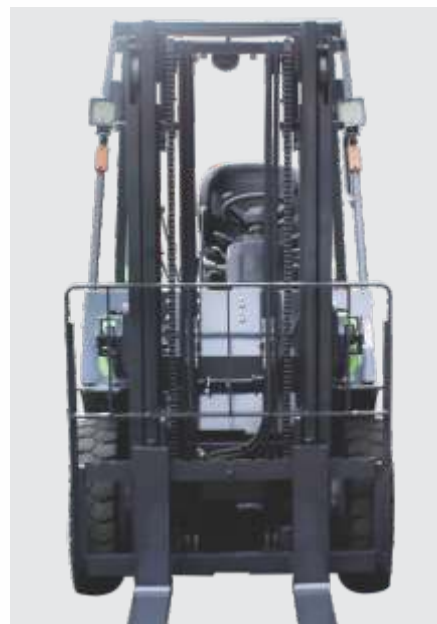
ENERGY SAVING

- **Zero Emission, environment friendly**
- **Simple maintenance machine** with a maintenance-free battery, motor, and electric control. It has low maintenance costs and offers a 50% total cost of ownership (TCO) savings over five years compared to an internal combustion truck



RELIABLE AND DURABLE

- **Robust and reliable chassis** capable of withstanding heavy loads, with a 30% increase in load capacity, effectively adapting to harsh conditions for a long service life.
- **Large tire design** with high ground clearance and good possibility, suitable for replacing internal combustion trucks.
- **Integrated casting steering axle** with large load capacity and damping block to reduce impact and extend service life.
- **Enhanced mast and tilt cylinders** with high positioning, suitable for installing attachments such as hooks and tilting forks.
- **IP67 rated Battery protection**, suitable for all-weather operation.
- **High energy density lithium battery** with a 5-year or 10,000-hour warranty.



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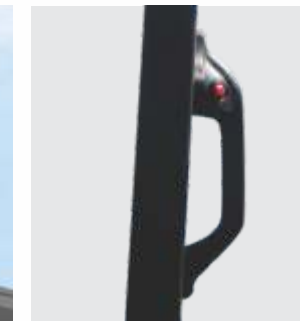
HIGH EFFICIENCY

- **High-speed and powerful motor** with a large speed ratio transmission.
- **Drive and hydraulic precise control** for more efficient operation.
- **High-efficiency heat dissipation** system suitable for long-term use under harsh conditions with ambient temperatures above 45°C.



COMFORTABLE OPERATION

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

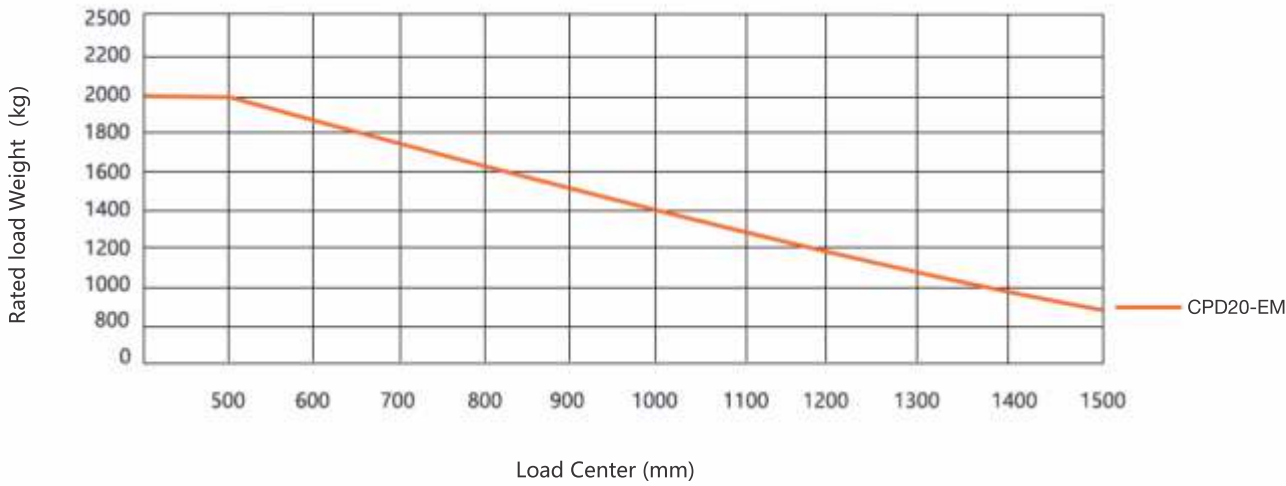


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MAST AND CAPACITY INFORMATION

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
CPD20-EM					CPD20-EM		CPD20-EM
Standard 2-Stage	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
	5000	3080	90	6 / 6	1660	1510	3448
Full Free 2-Stage	2700	1950	901	6 / 12	2000	1850	3272
	3000	2100	1051	6 / 12	2000	1850	3298
	3300	2250	1201	6 / 12	2000	1850	3322
	3500	2350	1301	6 / 12	2000	1850	3338
Full Free 3-Stage	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



CPD20/25-EM

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
CPD25-EM							
Standard 2-Stage	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
	5000	3080	90	6 / 6	2160	2010	3768
Full Free 2-Stage	2700	1950	901	6 / 12	2500	1850	3592
	3000	2100	1051	6 / 12	2500	2350	3618
	3300	2250	1201	6 / 12	2500	2350	3642
	3500	2350	1301	6 / 12	2500	2350	3658
Full Free 3-Stage	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



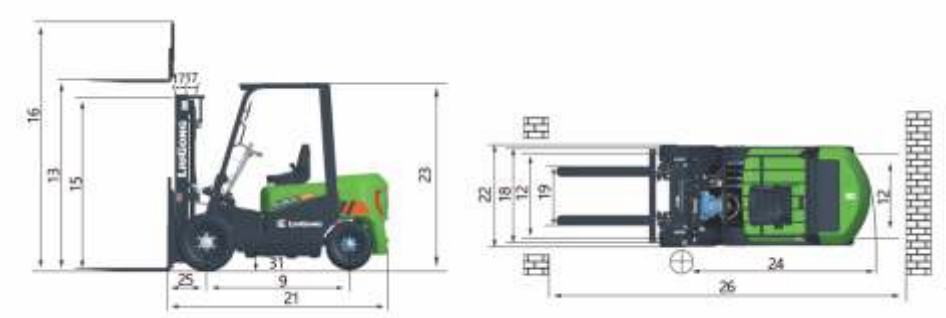
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PRODUCT SPECIFICATIONS

General	Model		Unit	CPD20	CPD25	
	Power Source			Electric	Electric	
	Configuration Number	1		EM	EM	
	Base Capacity	2	Rated load center	kg	2000	2500
Weights	Load Center	3		mm	500	500
	Service Weight	4	Unloaded	kg	3435	3714
	Axle Load	5	Full load,front/rear	kg	4618/1420	5366/1383
6		Unloaded,front/rear	kg	730/1848	798/2205	
Tires	Tire Type	7		Solid tire	Solid tire	
	Wheels	8	Front /rear		2/2	2/2
	Wheelbase	9		mm	1650	1650
	Tire Size	10	Front		7.00-12-12PR	7.00-12-12PR
		11	Rear		6.00-9-10PR	6.00-9-10PR
Mast	Tread Width	12	Front /rear	mm	980/980	980/980
	Max. Fork Height	13	Std 3-Stage mast	mm	4500	4500
	Free lift	14	Std 3-Stage mast	mm	1051	1051
	Height, mast lowered	15	Std 3-Stage mast	mm	2100	2100
	Height, mast extended	16	Std 3-Stage mast	mm	5600	5600
	Mast tilt, fwd/back	17	Std 3-Stage mast	°	6/6	6/6
	Fork carriage	18		mm	1100	1100
	Fork spread	19	Min/Max	mm	270/1070	270/1070
	Fork dimensions	20	T x W x L	mm	40×122×1070	40×122×1070
	Chassis	Overall Length (to thefront end of the fork)	21	Std 3-Stage mast	mm	2570
Overall width		22		mm	1150	1150
Overhead Guard Height		23		mm	2100	2100
Turning Radius		24		mm	2230	2230
Fork Overhang		25	Std 3-Stage mast	mm	456	456
Right Angle Stack		26	AST 800×1200 Crossways	mm	4086	4086
		27	AST 1000×1200 Lengthways	mm	3886	3886
add load length and clearance		28	AST 800×1200 Crossways	mm	2430	2430
		29	AST 1000×1200 Lengthways	mm	2430	2430
Ground Clearance		30	minimum loaded	mm	110	110
Performance		31	center of wheelbase	mm	120	120
	Travel speed	32	Full load/unloaded	km/h	15/16	15/16
	Lift speed	33	Full load/unloaded	mm/s	400/540	400/540
	Lower speed	34	Full load/unloaded	mm/s	510/420	510/420
	Max. traction force	35	5-minute working system	N	11500	11500
Systems	Maximum Gradeability	36	5-minute working system (Full load/unloaded)	%	18/25	16/23
	Electric-control	37			Jiachen	Jiachen
	Drive motor	38	S2 60min working system	kW	12	12
	Pump motor	39	S3 15%working system	kW	16	16
	Battery	40	Types		Lithium battery	Lithium battery
		41	Voltage	V	80	80
		42	Capacity	Ah	205	205



CPD20/25-EM

STANDARD SPECIFICATIONS/AVAILABLE OPTIONS

CONFIGURATION	STANDARD	OPTIONAL
Lithium battery	80v/150Ah	80V/150Ah, 80V/230Ah, 80V/460Ah
Charger	Three-phase 380V 80V/100A	Single-phase 220V 80V/75A Three-phase 380V 80V/100A Three-phase 380V 80V/150A Three-phase 380V 80V/200A
Tyres	Solid tire	Pneumatic tire
Multi valve	Two way valve	Three way valve Four way valve
Seat	Normal suspension seat	Semi-suspension seat,Full-suspension seat
Mast	Std 3-Stage mast	2stage mast 2stage 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	-		-			-			

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