CPD20SA SERIES









Rear wheel deive

- New Electric Forklifts of Efficiency & Productivity
- Doosan Rear Wheel Drive Electric Forklifts
- Surpass Customer Expectation for cost efficiency, performance and productivity
- Rear wheel drive electric forklifts(B16R Series) provide a great operating delight.
- As well as high performance, compact design is suitable for application of enclosed space, such as containers, wagons or lorries.



User-friendly

- The CPD20SA forklift conception enables all drivers, experts or
- not, to master all functions of the truck easily and quickly.
- The mechanical levers and the position of controls are intuitive and comfortable.

Easy to maintain

The access to the components is really important to ensure quick and efficient maintenance. the major elements are reached with a minimum of handling. Popular brands components are mostly standardized to facilitate the spare parts management.

Easy access and driving

- The CPD20SA basics are quick to master. the controls are ergonomic: the mechanical levers ensure a good right arm position and the small steering wheel limits efforts.
- The car-like pedals are really intuitive even for inexperimented operators.
- The access to the driver's seat is easy thanks to a wide and low step and a long handgrip on the left forward upright.

Safety

- The CPD20SA complies with current regulations, particularly the ISO 3691 norm which requires a cut off of movements (translation and lifting) as soon as the operator leaves his seat.
- The SINOLIFT standard forklift trucks are equipped with acomplete lights kit: front and rear, indicators and flashing beacon. Noiseless by nature, it is important for electric forklifts to be seen in their environment.

Curtis controller



SINOLIFT Maximum Performance Batteries have a lower initial cost whilst providing industry leading lead-acid cell design that delivers dependable performance for light to heavy cycles from one to three shifts. When properly maintained, SINOLIFT lead-acid batteries outlast the competition and supports fast charging.

Lithium Ion Batteries



With SINOLIFT Lithium-Ion batteries, experience the cutting edge of battery technology with shorter recharge times and better charge acceptance with more consistent power output throughout the entire battery discharge cycle. Decrease downtime and productivity with low maintenance Lithium-Ion batteries.

Over Discharge Protecting System

when the battery discharge is over 80%, the instrument warning signal light will be glittering. At this point, the driving and lifting speed is not reduced to maintain the battery life. Then it needs to lower the running and lifting speed to preserve the battery's using time.

Standard Specification

- # High efficiency AC driving motor
- # Lead-acid battery
- # Intelligent charger
- # Multi-functions instrument
- # Front dual driving motors
- # Rubber floor mat
- # Solid, super elastic drive and steer tires
- # Emergency disconnect switch
- # LED headlight
- # Rear combination LED light
- # Panoramic rearview mirror (in the middle position of the overhead guard)
- # 3m / 118.1inch duplex wide view mast
- # Hook type Class II forks
- # Adjustable steering column
- # Full electronic controlled travelling, lifting and steering
- # Overhead guard
- # Overhead guard entry grip
- # Horn and reversing buzzer
- # CAN-BUS system
- # Low noise gear pump (Brand: Shimadzu, Made in Japan)
- # Electronic regenerative brakes
- # Three driving programs
- # Full hydraulic steering
- # Soft landing system
- # CURTIS controller
- # 5-degree forward, 5-degree backwards tilt
- # Comfort suspension seat # Operating instruction / finish and marking
- # Standard SINOLIFT Warranty

Options

- 3rd or 4th hydraulic function
- # Duplex full free lift mast
- # Triplex full free lift mast # Lithium-ion battery
- # Rear working LED light
- # Reversing assist grip with horn button
- # Other attachments
- # Other dimension forks
- # Special carriage and backrest
- # Big capacity battery
- # Non-marking tyre # Multiplot
- Battery side extraction
- # Fingertip control on the adjustable armrest
- # Freezer
- # Suspension seat # Full closed cabin
- # Traction tyres
- # Blue spot light
- # OPS system



CPD20SA THREE WHEEL ELECTRIC FORKLIFT **ISO9001**



SHANGHAI SINOLIFT EQUIPMENT CO., LTD.

Address: No. 2471 Dachuan Road, Nanhui Industry Park, Pudong New District, Shanghai, 201399,P.R.China

Tel: 0086-21-68014500 or 0086-21-58003681

Fax: 0086-21-68014262

Website: www.sinolift.com www.sinolifttruck.com

Skype: sinolift

Whatsapp & Mobile: 0086 138 1757 2420

CPD20SA SERIES 1.6-2.0t



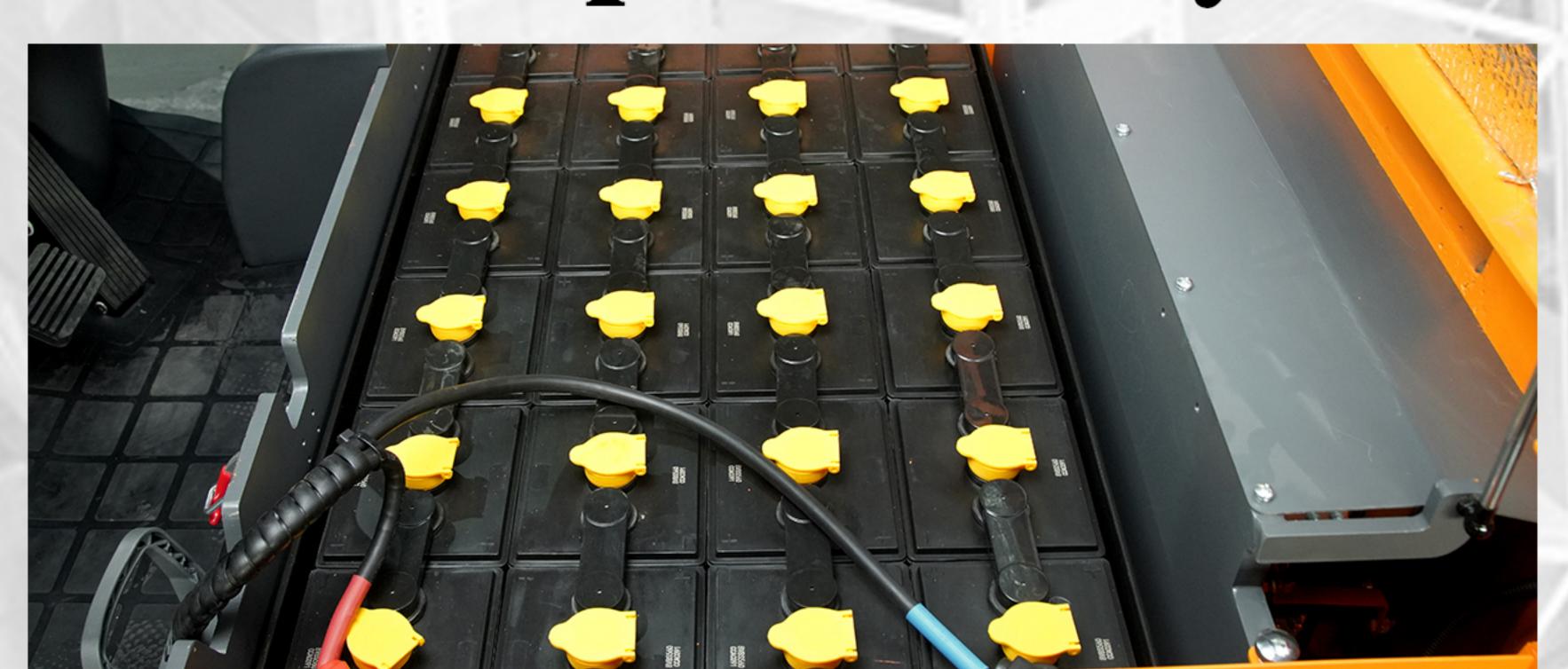
Mini electric forklift truck with import multi-function liquid crystal instrument, intelligent programmable LCD display, with fault code, electricity display, and various driving information.

Three speed mode



Three running modes to choose according to different needs: low speed, moderate speed and high speed.

Side pull battery



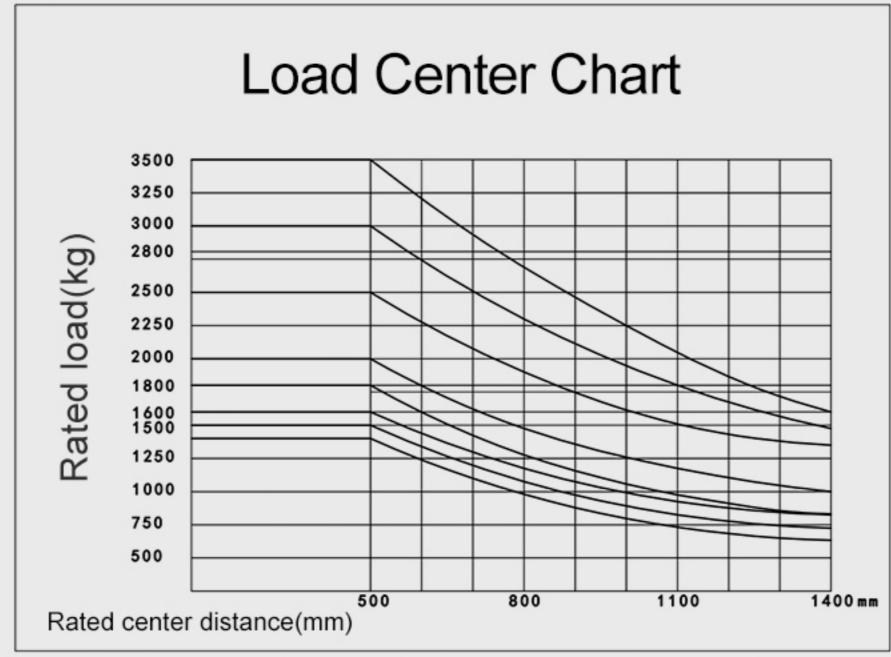
Side pull type power box: the battery is completely sinking, the stability of the electric forklift truck is increased, the replacement of the battery is more safe and convenient, and it is convenient for the maintenance of the whole electric forklift truck.

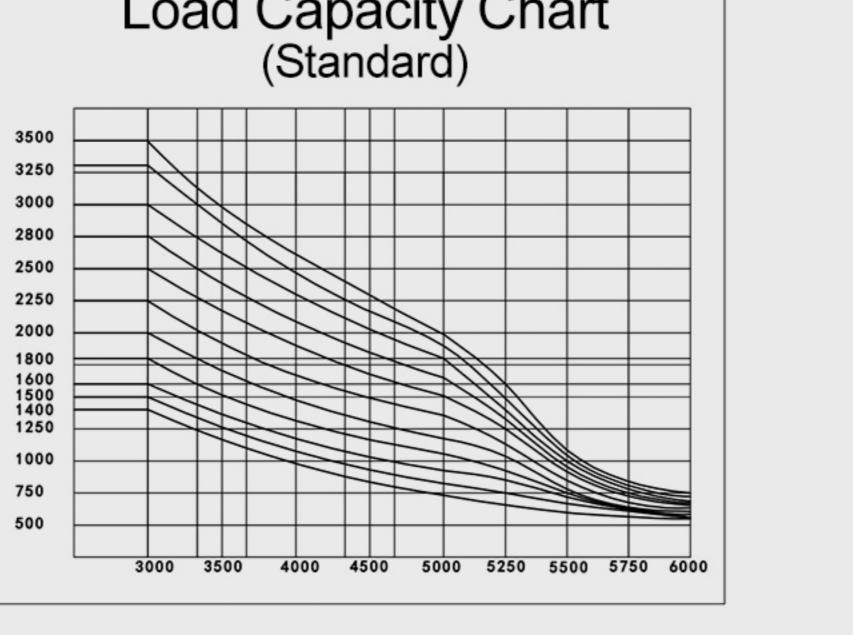
Sinolift – For material handling

Manufacturer(abbreviated)	SINOLIFT									
Туре		CPD20SA-16	CPD20SA-16Li	CPD20SA-18	CPD20SA-18Li	CPD20SA-20	CPD20SA-20L			
Driving model: Electric(Storage battery)				Electric Dual front	driving wheel					
Driving model (Manual, Walking, Stand driving,	Seating driving									
Seat driving ,Order picking)					7-12					
Rated load	Q(kg)	1600	1600	1800	1800	2000	2000			
Load center distance	c(mm)	500	500	500	500	500	500			
Front overhang	x(mm)	358	358	358	358	358	358			
Tread	Y(mm)	1362	1362	1362	1362	1465	1465			
Service weight(with battery)	kg	3220	3220	3280	3280	3450	3450			
Axle load, front/rear, laden	kg	3955/865	3955/865	4166/914	4166/914	4469/981	4469/981			
Axle load, front/rear, unladen	kg	1425/1795	1425/1795	1455/1826	1455/1826	1625/1997	1625/1997			
Wheels (rubber, high elasticity, pneumatic tyre, polurethane wheel)				super elastic s	solid tires					
Wheel dimension, front		18x7-8	18x7-8	200/50-10	200/50-10	200/50-10	200/50-10			
Wheel dimension, rear		15 x4 1/2 -8	15 x4 1/2 -8	15 x4 1/2 -8	15 x4 1/2 -8	140/55-9	140/55-9			
Wheel number, front/rear (x = driving wheel)		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2			
Tread, front	b10(mm)	920	920	937	937	937	937			
Tread, rear	b11(mm)	165	165	165	165	188	188			
Mast /fork-front /caster angle	0	3/6	3/6	3/6	3/6	3/6	3/6			
Height of mast, lowered	h1(mm)	2000-2660	2000-2660	2000-2660	2000-2665	2000-2760	2000-2760			
Lift height	h3(mm)	3000-6200	3000-6200	3000-6200	3000-6200	3000-6500	3000-6500			
Max. height of mast, extended	h4(mm)	4000-7200	4000-7200	4000-7200	4000-7200	4000-7500	4000-7500			
Overhead guard height (cab)	h6(mm)	2005	2005	2005	2005	2005	2005			
Seat height /standing	h7(mm)	938	938	938	938	938	938			
Traction bolt heiht	h10(mm)	560	560	560	560	560	560			
Overall length	I1(mm)	2880	2880	3000	3000	3100	3100			
Length to fork face	I2(mm)	1930	1930	1930	1930	2030	2030			
Overall width of truck body	b1(mm)	1070	1070	1130	1130	1130	1130			
Fork dimension	s/e/l(mm)	35/100/950	35/100/950	40/100/1070	40/100/1070	40/120/1070	40/120/1070			
Fork DIN 15 173, grade/typeA, B	G/G/I(ITIITI)	2A	2A	2A	2A	2A	2A			
Overall width of fork	b3(mm)	1088	1088	1088	1088	1088	1088			
Ground clearance from lower mast	m1(mm)	90	90	90	90	90	90			
Ground clearance from load center	m2(mm)	100	100	100	100	100	100			
Aisle width, with pallet 1000x1200(1200 crosswise)	Ast(mm)	3120	3120	3120	3120	3200	3200			
Aisle width, with pallet 800x1200(1200 lengthwise)	Ast(mm)	3220	3220	3220	3220	3300	3300			
Turning radius	Wa(mm)	1552	1552	1552	1552	1652	1652			
Traveling speed, laden/unladen	Km/h	14/14	14/14	14/14	14/14	13/13	13/13			
Lifting speed, laden/unladen	m/s	0.29/0.45	0.29/0.45	0.27/0.42	0.27/0.42	0.25/0.42	0.25/0.42			
Descending speed, laden/ unladen	m/s	0.45/0.43	0.45/0.43	0.45/0.43	0.45/0.43	0.45/0.43	0.45/0.43			
Max. gradeability, laden/unladen	%	15/20	15/20	15/20	15/20	15/20	15/20			
Driving motor power	kW	2*4.5(AC)	2*4.5(AC)	2*4.5(AC)	2*4.5(AC)	2*4.5(AC)	2*4.5(AC)			
Lifting motor power	kW	10(AC)	10(AC)	10(AC)	10(AC)	10(AC)	10(AC)			
Battery voltage/rated capacity	V/Ah	48/420(490)	48/300	48/490(560)	48/300	48/560(640)	48/450			
Battery weight	kg	720	720	760	760	800	800			

^{1.} The date is based on the lifting height 3000mm, Lifting height from 3000mm to 6500mm is available.

Load Capacity Chart





SERVICE ABILITY

- 1. Easy maintained controller and steering
- 2. maintenance free wet disk brake.
- 3. Lfting and driving AC motors without carbon brush free to maintain, which greatly reduce maintenance cost. And they all adopt external encoder, So the maintenance and service is more convenient.
- 4. BDI with overall discharge protecting system. 5. Braking oil cup is installed on the instrument
- panel, S0 as to check and add braking oil conveniently.
- 6. Side way battery box is easy to change battery. it is safety and convenient.

Mast size of 1.6 -2.0 Ton CPD20SA Series Counterbalanced Three wheel Electric Forklift

2-Stage High-Visibility Wide View Mast

Load Capacity						Overall He	ight	Free Lift		Mast Tilt Angle
		1.6t	1.8t	2.0t		CPD20SA	4	CPD20SA		CPD20SA
Mast model Lifting Height		CPD20SA-16(Li) CPD20SA-18(Li)		CPD20SA-20(Li)	Lowered	Extended		3-Fulcrum Forklift		3-Fulcrum Forklift
		Lifting Capacity at 500mm Load center			Lowered	With Backrest	Without Backrest	With Backrest	Without Backrest	
	H3				H1	H4	H4	H2	H2	(α/β)
	Mm	Kg	Kg	Kg	Mm	Mm	Mm	Mm	Mm	0
2M30	3000	1600	1800	2000	2000	4000	3505	0	0	3/6
2M33	0 3300	1430	1600	1820	2150	4300	3805	0	0	3/6
2M35	0 3500	1350	1520	1700	2250	4500	4005	0	0	3/6
2M40	0 4000	1180	1320	1480	2500	5000	4505	0	0	3/6

2-Stage Wide-View Full Free Lift Mast

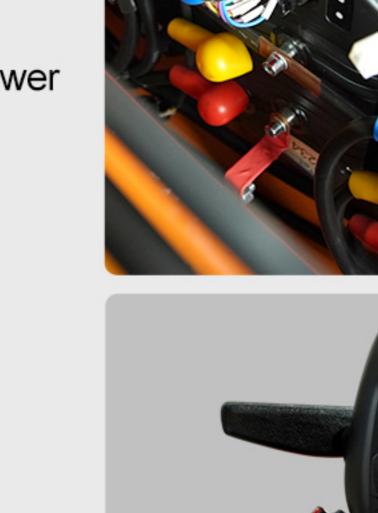
		Load Capacity			Overall Height			Free Lift		Mast Tilt Angle
		1.6t	1.8t	2.0t		CPD20SA		CPD20SA		CPD20SA
Mast model Lifting Height		CPD20SA-16(Li)	20SA-16(Li) CPD20SA-18(Li) CPD20SA-20(Li)		Lowered	Extended		3-Fulcrum Forklift		3-Fulcrum Forklift
		Lifting Capac	ity at 500mm Loa	nd center	Loworda	With Backrest	Without Backrest	With Backrest	Without Backrest	
	H3				H1	H4	H4	H2	H2	(α/β)
	Mm	Kg	Kg	Kg	Mm	Mm	Mm	Mm	Mm	0
2FFM300	3000	1600	1800	2000	2100	4000	3505	1095	1595	3/6
2FFM330	3300	1430	1600	1820	2250	4300	3805	1245	1745	3/6
2FFM350	3500	1350	1520	1700	2400	4500	4005	1395	1895	3/6

3-Stage Wide-View Full Free Lift Mast

		L			Overall He	ight	Free Lift		Mast Tilt Angle	
	Lifting Height	1.6t	1.8t	2.0t		CPD20SA	4	CPD20SA		CPD20SA
Mast model		CPD20SA-16(Li)	CPD20SA-18(Li)	CPD20SA-20(Li)	Lowered	Extended		3-Fulcrum Forklift		3-Fulcrum Forklift
		Lifting Capacity at 500mm Load center			Loviciou	With Backrest	Without Backrest	With Backrest	Without Backrest	
	H3				H1	H4	H4	H2	H2	(α/β)
	Mm	Kg	Kg	Kg	Mm	Mm	Mm	Mm	Mm	0
3FFM400	4000	1180	1320	1480	1890	5000	4505	890	1385	3/6
3FFM450	4500	820	1180	1300	2100	5500	5005	1100	1595	3/6
3FFM480	4800	770	1120	1220	2200	5800	5305	1200	1695	3/6
3FFM500	5000	730	1040	1170	2260	6000	5505	1260	1755	3/6
3FFM560	5500	600	700	720	2460	6600	6105	1460	1955	3/6
3FFM600	6000	550	580	600	2600	7000	6505	1600	2095	3/6
3FFM620	6200	450	480	500	2660	7200	6705	1660	2155	3/6
3FFM650	6500	//	//	600	2760	7500	7005	1760	2255	3/6

Note: 1, All those data is the standard work data, and can be changed due to the work influence.

It features a small-diameter steering wheel with an ergonomically optimized design. The fully hydrostatic power

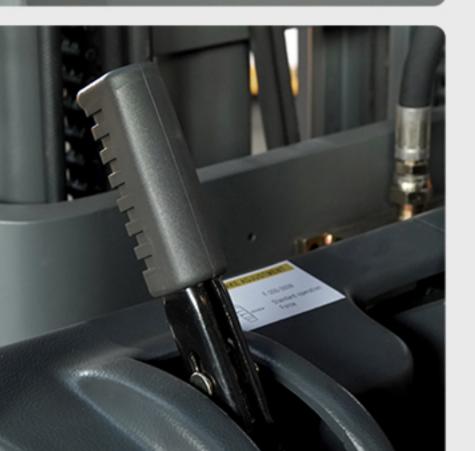


Three fulcrum electric forklift truck with import drive bridge, import full AC control system.

www.sinolift.com



The two step pedal, the pedal is lower, the wider, the front column has the pull hand, facilitates the driver to enter the cabin, and leaves the spacious foot space.



Wet butterfly brake

Wet disk brake can make the forklift break stably, ensures high durability and safety



The position of the steering wheel and the position of the seat can be adjusted according to the needs of the driver.



A choice of DIN batteries from 600Ah/630Ah - 700Ah/775Ah A battery discharge indicator (BDI) and lift interrupt are standard on all trucks.