BYD
Forklift



CHANGE YOUR MIND
NOT YOUR BATTERY

ORDER PICKER

BYD ORDER PICKER
(1000kg/2000kg/25000kg)

Lithium | BYD Iron-Phosphate

Core Technology

With many years of experience and innovation, BYD has the most reliable battery technology.



BYD started as a battery manufacturer, producing its first battery in 1997. Currently, BYD batteries are widely applied to passenger vehicles, cabs, buses, coaches, logistic vehicles, sanitation trucks and other commercial vehicles. In order to accomplish that, we believe in technology innovation and rigorous production processes. BYD batteries have been road-proven in over 10 million new energy passenger cars and over 80000 electric buses around the world.

We are constantly refining our manufacturing, pack design and interconnection hardware to further enhance the battery safety profile. Samples from each batch must pass rigorous impact, collision, vibration and external fire testing before being released for electric vehicle integration.

BYD Iron-Phosphate technology

BYD Iron-Phosphate electric forklift batteries are a major revolution for the industry. A solution for the present and future, synonymous with savings, sustainability, cleanliness, safety and care for the environment.





The BYD battery revolution

BYD has accumulated vast experience to predict and respond to global sustainability challenges. Currently, BYD's patented BYD Iron-Phosphate batteries have been used in over 100+ vehicle models, including passenger, commercial, and off-highway vehicles.

Compared to equivalent equipment powered by traditional lead acid batteries, BYD batteries require no maintenance, have a shorter charge time, a longer working life, and use up to 40% less energy. Combined with BYD's intelligent chargers, charging from empty to full can be achieved in under an hour, providing comfortably enough charge for a full eight-hour shift. Furthermore, BYD batteries can be topped-up during short breaks in operations, thus guaranteeing maximum uptime at the lowest-possible cost.

Unlike other Lithium-ion batteries featuring on competitors' forklifts, BYD designs, develops and manufactures its own batteries and chargers, meaning the entire energy ecosystem is optimised to offer maximum performance for your investment.

BYD Iron-Phosphate Battery

Savings

No battery changes, no maintenance, no distilled water or charger room, and with an energy consumption which is well below average.

Opportunity Charging

Battery can be partially topped up frequently e.g. during lunch break with no detriment to battery life or capacity.

Sustainable

No pollution from heavy metals or corrosive acid, making BYD Iron-Phosphate batteries the most ecologically friendly on the market.

Long life

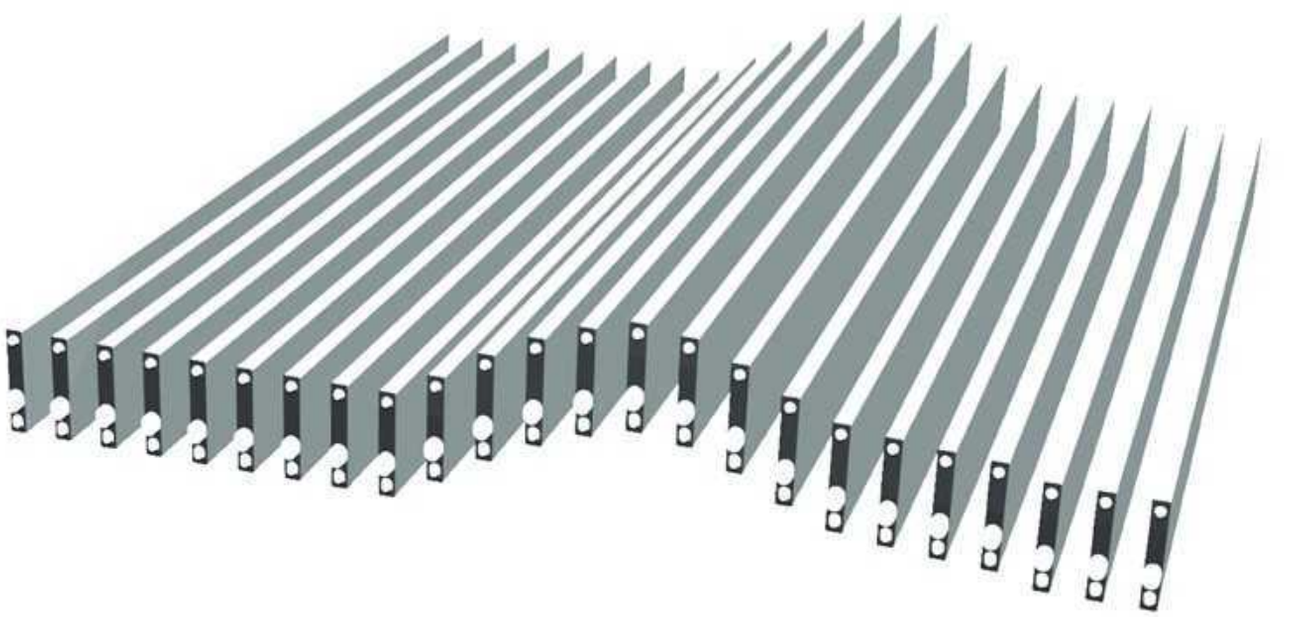
Unrivaled industrial leading warranty 8 year /10000 hours thanks to active battery intelligent protection system.

Safety

No risk of explosion or fire, no flammable gases emissions, nor harm to the health of your employees.

Fast-Charging

Charging power up to 2.4 kw , with possibility to reduce charging time down to 1 hour .



Li020/25
LOW LEVEL ORDER PICKER

Li010
LOW LEVEL ORDER PICKER WITH LIFT



Family-oriented design

- Using the full range of platform design, we can provide customers with variety of product needs. The load capacity covers 2.0T 2.5T ,and 1.0T with 750mm lift height of fork .the fork length is up to 2400mm, it provides efficient service.

Muti-Functional operation desk

- USB charging port supplies power for more devices
  Multi-functional dashboard can display battery level, driving speed, fault code
  Emergency stop switch code/card lock provides high security.





5 points suspension chassis:

- The whole series of products has 5 wheels including 2 symmetrical balance wheels. An active suspension damping system was also equipped. At the same time , the width of legroom is also bigger ,with 460mm width .
  Order picker series equipped adjustable height of backrest ,adjusted up and down to meet the needs of different operators.Providing a smooth, safe and friendly operation experience.

Muti-functional steering wheel

- Order picker series equipped Muti-functional steering wheel. The functions such as steering, fork lifting, emergency switch, etc.. At the same time, like the car steering wheel, it can automatically return to the center and adjustable , with these function greatly reduced the operator tiredness .

ADVANTAGES OF BLADE BATTERY





Adaptability

- 60℃ Discharge capacity retention >99%
  PACK-20℃ Discharge capacity retention>90%
  Battery PACK with heating function ,makes the professional solution possibility for cold store .

Cyclability & Safety

- 45℃ cycle >2000 times
  room temperature cycle >4000 times
  long warranty with cell -penetration and IP67 protection.



Various optial

- 65/130/216/260Ah, varies of capacity matches different work condition request.
  216/260Ah, optional 200A high power charger equipped with standard on-board charger.
  Note:130Ah and 260Ah will be avaliabe in May.

LiO20/25 Low level order picker

Identification	1.1	Manufacturer			BYD	
	1.2	Model			LiO20	LiO25
	1.3	Drive			Electric	
	1.4	Operator type			Stand-on	
	1.5	"Rated capacity"	Q	kg	2000	2500
	1.6	Load center	c	mm	600	1200
	1.8	Front overhang	x	mm	859[1)]	1502[1)]
	1.9	Wheel base	y	mm	1894[1)]	2537[1)]
Weights	2.1	Net weight including battery		kg	780	880
	2.2	Axle load with load, front/rear		kg	820/1960	1055/2325
	2.3	Axle load without load, front/rear		kg	566/214	650/230
Wheels	3.1	Wheel type			PU	
	3.2	Wheel size, front		mm	Φ254x102	
	3.3	Wheel size, rear		mm	Φ85×110/Φ85×85	
	3.4	Auxiliary wheel size		mm	Φ115×55	
	3.5	Wheels, number front/rear (x=driven)			1×+2/2(4)	
	3.6	Track width, front	b10	mm	580	
	3.7	Track width, rear	b11	mm	454	
Basic Dimensions	4.4	Lift height	h3	mm	125	
	4.9	Height of support arms, Min./Max.	h14	(min./max) mm	1100/1250	
	4.15	Ground clearance, below fork	h13	mm	90	
	4.19	Overall length	l1	mm	2363	3613
	4.20	Length to face of forks	l2	mm	1213	1213
	4.21	Overall width	b1	mm	800	
	4.22	Fork dimensions	s/e/l	mm	60/180/1150	60/190/2400
	4.25	Width across forks	b5	mm	490/520/644	
	4.32	Ground clearance, center of wheelbase	m2	mm	30	
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2818[1)]	3913[1)]
	4.35	Turning radius	Wa	mm	2092[1)]	2730[1)]
Performance Data	5.1	Travel speed, with/without load		km/h	9.5/14	
	5.2	Lifting speed, with/without load		mm/s	70/100	
	5.3	Lowering speed, with/without load		mm/s	70/60	
	5.8	Max. gradeability, with/without load		%	6/15	6/15
	5.10	Service brake			Mechanic	
Motor	6.1	Drive motor, S2=60min		kw	2.8	
	6.2	Lift motor		kw	2.2	
	6.4	Battery capacity, K5		V/Ah	24/210	
	6.5	Battery weight		kg	90	
Others	8.1	Type of drive control			AC	
	10.7	Noise level at operator's ear		dB(A)	<75	

*1) Fork at the lowest position: x,y,Wa,Ast+103mm

*BYD reserves the right to alter and modify the design, features and technical parameters of its products at any given time and without pre-advice, as products are subject to ongoing and continuous development.

LiO10 Low level order picker with lift

Identification	1.1	Manufacturer			BYD
	1.2	Model			LiO10
	1.3	Drive			Electric
	1.4	Operator type			Stand-on
	1.5	"Rated capacity"	Q	kg	1000
	1.6	Load center	c	mm	600
	1.8	Front overhang	x	mm	820
	1.9	Wheel base	y	mm	1903
Weights	2.1	Net weight including battery		kg	860
	2.2	Axle load with load, front/rear		kg	670/1190
	2.3	Axle load without load, front/rear		kg	555/305
Wheels	3.1	Wheel type			PU
	3.2	Wheel size, front		mm	Φ254x102
	3.3	Wheel size, rear		mm	Φ85×70
	3.4	Auxiliary wheel size		mm	Φ115×55
	3.5	Wheels, number front/rear (x=driven)			1x+1/4
	3.6	Track width, front	b10	mm	580
	3.7	Track width, rear	b11	mm	500
Basic Dimensions	4.4	Lift height	h3	mm	750
	4.9	Height of support arms, Min./Max.	h14(min./max)	mm	1100/1250
	4.15	Ground clearance, below fork	h13	mm	90
	4.19	Overall length	l1	mm	2408
	4.20	Length to face of forks	l2	mm	1258
	4.21	Overall width	b1	mm	800
	4.22	Fork dimensions	s/e/l	mm	60/190/1150
	4.25	Width across forks	b5	mm	560/690
	4.32	Ground clearance, center of wheelbase	m2	mm	30
	4.34.2	Aisle width for pallets 800×1200 lengthways	Ast	mm	2830
	4.35	Turning radius	Wa	mm	2078
Performance Data	5.1	Travel speed, with/without load		km/h	9.5/14
	5.2	Lifting speed, with/without load		mm/s	170/330
	5.3	Lowering speed, with/without load		mm/s	190/190
	5.8	Max. gradeability, with/without load		%	6/15
	5.10	Service brake			Mechanic
Motor	6.1	Drive motor, S2=60min		kw	2.8
	6.2	Lift motor		kw	2.2
	6.4	Battery capacity, K5		V/Ah	24/260
	6.5	Battery weight		kg	90
Others	8.1	Type of drive control			AC
	10.7	Noise level at operator's ear		dB(A)	＜75

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Forklift

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CE BYD forklifts conform to the European Safety Requirements

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