TRUCK FEATURES





STANDARD EQUIPMENT:

Lithium Iron-phosphate technology
Battery 80V 540Ah (43.2 kWh)
Dual AC drive
4-way valve
Mechanical lever (Basic model)
Finger-tip control (Comfort model)
TFT display
Cornering speed reduction
Ramp assist
Power-assist braking
Oil-immersed disc brake
OPS Operator Presence Sensor
Regenerative braking system
Charger 80V 200A
Clear-view masts

OPTIONAL EQUIPMENT:

Battery 80V 810Ah (64.8 kWh)
Charger 80V 400A
Cabin and weather protection kits
Dual joystick control
Synchronized steering control
Blue light
Panoramic mirror
Double pedal system
Rear working light
Orange seat belt
LED lights
Multiple masts variants

BYD Forklift production site in Shaoguan, China, is certified. **ISO 9001** **ISO 14001** **OHSAS 18001**

BYD trucks conform to the European Safety Requirements CE

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BYD FORKLIFT

Li Fe PO4 Li Iron Phosphate

BYD FORKLIFT

ECB50

BYD COUNTERBALANCE FORKLIFT 4 WHEELER (5000 kg)

IFOY nominee



- 80V AC technology
- Powered by Lithium Iron-Phosphate
- 8 years or 10,000 hours battery warranty
- Up to 9 hours continuous operation
- One battery for multiple working shifts
- Convenient side charging standard
- Lowest cost of ownership
- Flexible control options (Mechanical levers, Finger-tip, Dual Joystick)
- Modular cabins and weather protection options
- Lifting height up to 6.5m

CHANGE YOUR MIND NOT YOUR BATTERY

"The BYD ECB50 has been developed in line with the market requirements… The truck feels and works remarkably stable and its performance is a realistic alternative to engine powered trucks. As with the smaller models from BYD, the Lithium-Iron Phosphate battery and the corresponding quick charger are the main strengths. The calculated savings can be realized, maintenance of the battery and truck can also be reduced to a minimum.

…What's more, the impressive looking truck is surprisingly smooth and easy to operate. The stability is convincing and the materials used are extremely durable even when used in harsh conditions."

- IFOY test verdict 2018

ECB50 SPECIFICATIONS

Identification	1.1	Manufacturer			BYD
	1.2	Model			ECB50
	1.3	Drive			Electric
	1.4	Operator type			Seat
	1.5	Rated capacity	Q	kg	5000
	1.6	Load center	c	mm	500
	1.8	Load distance, center of drive axle to fork	x	mm	555
	1.9	Wheelbase	y	mm	2000
Weight	2.1	Service weight		kg	7350
	2.2	Axle load, with load, front/rear		kg	10989/1400
	2.3	Axle load, without load, front/rear		kg	3351/4038
Wheels, Chassis	3.1	Tyres			SE
	3.2	Tyre size, front		mm	28×12.5-15
	3.3	Tyre size, rear		mm	21×8-9
	3.5	Wheels, number front rear (x=driven wheels)			2x/2
	3.6	Track width, front	b10	mm	1216
	3.7	Track width, rear	b11	mm	1130
Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	6/8
	4.2	Height, mast lowered	h1	mm	2350
	4.3	Free lift	h2	mm	130
	4.4	Lift height	h3	mm	3000
	4.5	Height, mast extended	h4	mm	4255
	4.7	Height of overhead guard	h6	mm	2360
	4.8	Seat height	h7	mm	1220
	4.12	Coupling height	h10	mm	480
	4.19	Overall length	l1	mm	3990
	4.20	Length to face of forks	l2	mm	2920
	4.21	Overall width	b1	mm	1516
	4.22	Fork dimensions	s/e/l	mm	55/150/1070
	4.23	Fork carriage ISO 2328, class/type A, B			3A
	4.24	Fork carriage width	b3	mm	1310
	4.31	Ground clearance, with load, below mast	m1	mm	150
	4.32	Ground clearance, center of wheelbase	m2	mm	160
	4.33	Aisle width for pallets 1000×1200 crossways	Ast	mm	4550
	4.34	Aisle width for pallets 800×1200 lengthways	Ast	mm	4750
	4.35	Turning radius	Wa	mm	2600
Performance Data	5.1	Travel speed, with/without load		Km/h	18/18
	5.2	Lift speed, with/without load		mm/s	350/450
	5.3	Lowering speed, with/without load		mm/s	500/400
	5.6	Max. drawbar pull, with/without load		KN	23/17
	5.8	Max. gradeability, with/without load		%	20/20
	5.10	Service brake			Hydr.
Motor	6.1	Drive motor rating S2 60 min.		kW	15×2
	6.2	Lift motor rating at S3 15%		kW	25.4
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/810
	6.5	Battery weight		kg	900
Others	8.1	Type of drive control			AC
	8.2	Operating pressure for attachments		Bar	170
	8.4	Sound level at the driver's ear		dB(A)	<75
	8.5	Towing coupling, type			—

*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.

MAST SPECIFICATIONS

h3 Lifting Height (mm) h2 Full Free Lift Height (mm) (Load Backrest 1000mm) h1 Height, Mast Fully Lowered (mm)

h4 Height, Mast Fully Extended (mm) (Load Backrest 1000mm) α Tilt Forward β Tilt Backward

Mast Specs	h3	h2	h1	h4	α	β	Residual Capacity (kg)
							ECB50@500MM
2-stage standard Mast	3000	130	2350	4255	6°	8°	5160
	3500	130	2600	4755	6°	8°	4918
	4000	130	2850	5255	6°	8°	4691
	4500	130	3100	5755	6°	6°	4476
2-stage FFL Mast	3000	1060	2315	4255	6°	8°	5160
	3500	1310	2565	4755	6°	8°	4918
	4000	1560	2815	5255	6°	8°	4691
3-stage FFL Mast (Single full free lift mast)"	4500	1060	2315	5755	6°	6°	4329
	5000	1235	2490	6255	6°	6°	4118
	5500	1410	2665	6755	6°	6°	3924
	6000	1560	2815	7255	6°	6°	3742
	6500	1735	2990	7755	6°	6°	3305

LOADING CAPACITY

CAPACITY CHART





