

TRUCK FEATURES



STANDARD EQUIPMENT:


Lithium Iron-phosphate technology
Battery 80V 270Ah (21.6 kWh)
Dual AC drive
4-way valve
Integrated side-shifter
Mechanical lever (Basic model)
Finger-tip control (Comfort model)
TFT display
Cornering speed reduction
Oil-immersed disc brake
OPS (Operator Presence Sensor)
Regenerative braking system
Clear-view masts
Charger 80V 100A

OPTIONAL EQUIPMENT:

1 hour fast charging solution
Charger 80V 200A
Cabin and weather protection kits
Dual joystick control
Synchronized steering control
Blue light
Panoramic mirror
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 

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 **BYD FORKLIFT**



Li
Iron
Phosphate



IFOY AWARD

international forklift truck
of the year 2016



ECB16/18

BYD COUNTERBALANCE FORKLIFT
3 WHEELER(1600 kg/1800 kg)

- 80V AC technology
- Powered by Lithium Iron-Phosphate
- 8 years or 10,000 hours battery warranty
- Up to 6 hours continuous operation
- One battery for multiple working shifts
- One-hour fast charging optional
- 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**

“BYD has brought an attractive forklift on to the market which need not fear comparison with its European competitors. Indeed, BYD even offers significant value added in terms of battery technology. The battery can be re-charged rapidly, as often as desired and without memory effect, which means even three-shift duty is possible with the same battery. All the driver needs to do is charge the truck when it's not in use.”

- IFOY test verdict 2016

ECB16/18 SPECIFICATIONS

Identification	1.1		BYD		BYD	
		Manufacturer				
	1.2	Model		ECB16		ECB18
	1.3	Drive		Electric		Electric
	1.4	Operator type		Seat		Seat
	1.5	Rated capacity	Q	kg	1600	1800
	1.6	Load center	c	mm	500	500
	1.8	Load distance, center of drive axle to fork	x	mm	365	365
	1.9	Wheelbase	y	mm	1360	1360
Weight	2.1	Service weight		kg	3100	3300
	2.2	Axle load, with load, front/rear		kg	4083/617	4495/605
	2.3	Axle load, without load, front/rear		kg	1466/1634	1551/1749
Wheels, Chassis	3.1	Tyres			SE	SE
	3.2	Tyre size, front			18×7-8	18×7-8
	3.3	Tyre size, rear			15×4.5-8	15×4.5-8
	3.5	Wheels, number front rear (x=driven wheels)			2x/2	2x/2
	3.6	Track width, front	b10	mm	890	890
	3.7	Track width, rear	b11	mm	190	190
Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/7	5/7
	4.2	Height, mast lowered	h1	mm	2020	2020
	4.3	Free lift	h2	mm	125	125
	4.4	Lift height	h3	mm	3000	3000
	4.5	Height, mast extended	h4	mm	3985	3985
	4.7	Height of overhead guard	h6	mm	2050	2050
	4.8	Seat height	h7	mm	985	985
	4.12	Coupling height	h10	mm	480	480
	4.19	Overall length	l1	mm	3005	3075
	4.20	Length to face of forks	l2	mm	1935	2005
	4.21	Overall width	b1	mm	1050	1050
	4.22	Fork dimensions	s/e/l	mm	35/100/1070	35/100/1070
	4.23	Fork carriage ISO 2328, class/type A, B			2A	2A
	4.24	Fork carriage width	b3	mm	1040	1040
	4.31	Ground clearance, with load, below mast	m1	mm	95	95
	4.32	Ground clearance, center of wheelbase	m2	mm	95	95
	4.33	Aisle width for pallets 1000×1200 crossways	Ast	mm	3261	3331
	4.34	Aisle width for pallets 800×1200 lengthways	Ast	mm	3385	3455
	4.35	Turning radius	Wa	mm	1570	1640
Performance Data	5.1	Travel speed, with/without load		Km/h	16/16	16/16
	5.2	Lift speed, with/without load		mm/s	500/550	500/550
	5.3	Lowering speed, with/without load		mm/s	530/500	530/500
	5.6	Max. drawbar pull, with/without load		KN	9.0/7.9	9.0/8.0
	5.8	Max. gradeability, with/without load		%	20/20	18/20
	5.10	Service brake			Mech./Hydr.	Mech./Hydr.
Motor	6.1	Drive motor rating S2 60 min.		kW	5×2	5×2
	6.2	Lift motor rating at S3 15%		kW	16	16
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/270	80/270
	6.5	Battery weight		kg	640	640
Others	8.1	Type of drive control			AC	AC
	8.2	Operating pressure for attachments		Bar	160	180
	8.4	Sound level at the driver's ear		dB(A)	≤75	≤75
	8.5	Towing coupling, type			PIN	PIN

*BYD reserves the right to alter and modify the design, features and technical parameters of its products at any given time and without pre-advise, 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 Specifications (mm)	h3	h2	h1	h4	α	β	Residual Capacity (kg)		Residual Capacity (kg)	
							ECB16@500MM	ECB16@600MM	ECB18@500MM	ECB18@600MM
2-stage standard Mast	3000	125	2020	3985	5°	7°	1600	1550	1800	1800
	3300	125	2170	4285	5°	7°	1600	1500	1800	1755
	3500	125	2270	4485	5°	7°	1580	1470	1800	1720
	4000	125	2570	4985	5°	7°	1520	1390	1760	1630
	4500	125	2820	5485	5°	5°	1380	1290	1640	1520
2-stage FFL Mast	3000	1035	2020	3985	5°	7°	1600	1550	1800	1800
	3300	1185	2170	4285	5°	7°	1600	1500	1800	1755
	3500	1285	2270	4485	5°	7°	1580	1470	1800	1720
	4000	1585	2570	4985	5°	7°	1380	1390	1760	1630
	3-stage FFL Mast (Dual full free lift mast)	4000	810	1895	4985	5°	5°	1380	1390	1760
4500		1060	2045	5485	5°	5°	1380	1290	1640	1520
4800		1160	2145	5785	5°	5°	1340	1250	1590	1480
5000		1210	2195	5985	5°	5°	1310	1230	1550	1450
5500		1410	2395	6485	5°	5°	1240	1160	1340	1300
6000		1680	2665	6985	5°	3°	1050	1000	1100	1050
3-stage FFL Mast (Single full free lift mast)	4500	1068	2053	5485	5°	5°	1380	1290	1640	1520
	4800	1168	2153	5785	5°	5°	1340	1250	1590	1480
	5000	1218	2203	5985	5°	5°	1310	1230	1550	1450
	5500	1418	2403	6485	5°	5°	1240	1160	1340	1300
	6000	1688	2673	6985	5°	3°	1050	1000	1100	4050
	6500	1868	2853	7485	5°	3°	800	800	650	650

LOADING CAPACITY

