

## 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  
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



BYD FORKLIFT

## ECB16D/18D

BYD COUNTERBALANCE FORKLIFT  
COMPACT 4 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 ECB16D/18D 4-wheel counterbalanced trucks offer a compact design, increased driving stability and maximum maneuverability. With dual AC drive technology, all BYD lift trucks offer industry leading performance.

BYD trucks are powered by Lithium Iron-Phosphate technology with state-of-art Battery Management System and with the longest battery-warranty in the industry, 8 years or 10,000 hours, peace of mind is assured.

With recharge times as low as 65 minutes, BYD forklifts can operate across multiple shifts without the need to change or replace the battery.

## ECB16D/18D SPECIFICATIONS

Identification	1.1	Manufacturer			BYD	BYD
	1.2	Model			ECB16D	ECB18D
	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	370	370
	1.9	Wheelbase	y	mm	1400	1400
	Weight	2.1	Service weight		kg	3150
2.2		Axle load, with load, front/rear		kg	3985/765	4312/788
2.3		Axle load, without load, front/rear		kg	1390/1760	1393/1907
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	900	900
	3.7	Track width, rear	b11	mm	900	900
	Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	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	990	990
4.12		Coupling height	h10	mm	260	260
4.19		Overall length	l1	mm	3145	3145
4.20		Length to face of forks	l2	mm	2075	2075
4.21		Overall width	b1	mm	1060	1060
4.22		Fork dimensions	s/e/l	mm	40/100/1070	40/100/1070
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	95/100	95/100
4.32		Ground clearance, center of wheelbase	m2	mm	85/90	85/90
4.33		Aisle width for pallets 1000×1200 crossways	Ast	mm	3736	3736
4.34		Aisle width for pallets 800×1200 lengthways	Ast	mm	3590	3590
4.35		Turning radius	Wa	mm	1820	1820
Performance Data		5.1	Travel speed, with/without load		Km/h	16/16
	5.2	Lift speed, with/without load		mm/s	420/480	420/480
	5.3	Lowering speed, with/without load		mm/s	480/460	460/460
	5.6	Max. drawbar pull, with/without load		KN	9.0/8.0	9.0/8.0
	5.8	Max. gradeability, with/without load		%	15/20	15/20
	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	270	270
	6.5	Battery weight		kg	650	650
Others	8.1	Type of drive control			AC	AC
	8.2	Operating pressure for attachments		Bar	160	160
	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)   
  $\alpha$  Tilt Forward   
  $\beta$  Tilt Backward

Mast Specifications (mm)	h3	h2	h1	h4	$\alpha$	$\beta$	Residual Capacity (kg)		Residual Capacity (kg)	
							ECB16D@500MM	ECB16D@600MM	ECB18D@500MM	ECB18D@600MM
2-stage standard Mast	3000	125	2020	3985	5°	7°	1600	1600	1800	1800
	3300	125	2170	4285	5°	7°	1600	1600	1800	1800
	3500	125	2270	4485	5°	7°	1600	1600	1800	1800
	4000	125	2570	4985	5°	7°	1600	1591	1800	1743
	4500	125	2820	5485	5°	5°	1600	1489	1773	1637
2-stage FFL Mast	3000	1035	2020	3985	5°	7°	1600	1600	1800	1800
	3300	1185	2170	4285	5°	7°	1600	1600	1800	1800
	3500	1285	2270	4485	5°	7°	1600	1600	1800	1800
	4000	1585	2570	4985	5°	7°	1600	1591	1800	1743
	3-stage FFL Mast (Dual full free lift mast)	4000	810	1895	4985	5°	5°	1600	1591	1800
4500		1060	2045	5485	5°	5°	1600	1489	1773	1637
4800		1160	2145	5785	5°	5°	1570	1452	1727	1597
5000		1210	2195	5985	5°	5°	1435	1332	1548	1468
5500		1410	2395	6485	5°	3°	1360	1265	1391	1397
6000		1680	2665	6985	5°	3°	785	858	726	794
6500		1860	2845	7485	5°	3°	507	541	463	495
3-stage FFL Mast (Single full free lift mast)	4500	1068	2053	5485	5°	5°	1600	1489	1773	1637
	4800	1168	2153	5785	5°	5°	1570	1452	1727	1597
	5000	1218	2203	5985	5°	5°	1435	1332	1548	1468
	5500	1418	2403	6485	5°	3°	1360	1265	1391	1397
	6000	1688	2673	6985	5°	3°	785	858	726	794
6500	1868	2853	7485	5°	3°	507	541	463	495	

## LOADING CAPACITY

