

TRUCK FEATURES



STANDARD EQUIPMENT:

Lithium Iron-phosphate technology
 80V 540Ah Battery (43.2 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
 Cabin and weather protection kits
 Dual joystick control
 Synchronized steering control
 Blue light
 Panoramic mirror
 Rear working light
 Orange seat belt
 80V 270Ah battery
 (21.6 kWh) (optional for ECB30)
 Charger 80V 200A
 Extra 200 KG counterweight for heavy
 duty attachments
 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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Li
 Iron
 Phosphate



ECB30/35

BYD COUNTERBALANCE FORKLIFT
 4 WHEELER (3000 kg/3500 kg)

- 80V AC technology
- Powered by Lithium Iron-Phosphate
- 8 years or 10,000 hours battery warranty
- Up to 8 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 ECB30/35 range of counterbalanced trucks are capable of lifting up to 3500 kg with a choice of 2 capacities.

With dual AC drive technology, BYD Forklifts can offer performance levels which often exceed engine powered competitors.

All BYD Forklifts are powered by our own Lithium Iron-Phosphate technology and feature the most up to date Battery Management System. We also offer the longest battery-warranty in the industry, 8-years or 10,000 hours, whichever comes first.

Thanks to ultra-fast side charging with flexible battery and charger options, BYD Forklifts easily operate in multi-shift applications on a single battery, saving you both time and money.

ECB30/35 SPECIFICATIONS

Identification	1.1	Manufacturer			BYD	BYD
	1.2	Model			ECB30	ECB35
	1.3	Drive			Electric	Electric
	1.4	Operator type			Seat	Seat
	1.5	Rated capacity	Q	kg	3000	3500
	1.6	Load center	c	mm	500	500
	1.8	Load distance, center of drive axle to fork	x	mm	460	460
	1.9	Wheelbase	y	mm	1725	1725
	Weight	2.1	Service weight		kg	4840
2.2		Axle load, with load, front/rear		kg	6693/1147	7722/1218
2.3		Axle load, without load, front/rear		kg	2023/2817	2274/3166
Wheels, Chassis	3.1	Tyres			SE	SE
	3.2	Tyre size, front		mm	23×10-12	23×10-12
	3.3	Tyre size, rear		mm	200/50-10	200/50-10
	3.5	Wheels, number front rear (x=driven wheels)			2x/2	2x/2
	3.6	Track width, front	b10	mm	1110	1110
	3.7	Track width, rear	b11	mm	955	955
	Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg	5/8
4.2		Height, mast lowered	h1	mm	2105	2105
4.3		Free lift	h2	mm	130	130
4.4		Lift height	h3	mm	3000	3000
4.5		Height, mast extended	h4	mm	4000	4000
4.7		Height of overhead guard	h6	mm	2215	2215
4.8		Seat height	h7	mm	1140	1140
4.12		Coupling height	h10	mm	333	333
4.19		Overall length	l1	mm	3630	3630
4.20		Length to face of forks	l2	mm	2560	2560
4.21		Overall width	b1	mm	1360	1360
4.22		Fork dimensions	s/e/l	mm	50/125/1070	50/125/1070
4.23		Fork carriage ISO 2328, class/type A, B			3A	3A
4.24		Fork carriage width	b3	mm	1145	1145
4.31		Ground clearance, with load, below mast	m1	mm	110	110
4.32		Ground clearance, center of wheelbase	m2	mm	130	130
4.33		Aisle width for pallets 1000×1200 crossways	Ast	mm	3875	3875
4.34		Aisle width for pallets 800×1200 lengthways	Ast	mm	4070	4070
4.35		Turning radius	Wa	mm	2210	2210
Performance Data		5.1	Travel speed, with/without load		Km/h	20/20
	5.2	Lift speed, with/without load		mm/s	380/450	380/450
	5.3	Lowering speed, with/without load		mm/s	550/450	550/450
	5.6	Max. drawbar pull, with/without load		KN	17.4/12.2	17.2/13.6
	5.8	Max. gradeability, with/without load		%	20/20	20/20
	5.10	Service brake			Mech./Hydr.	Mech./Hydr.
Motor	6.1	Drive motor rating S2 60 min.		kW	10×2	10×2
	6.2	Lift motor rating at S3 15%		kW	24	24
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/540	80/540
	6.5	Battery weight		kg	860	1460
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)	
							ECB30@500MM	ECB30@600MM	ECB35@500MM	ECB35@600MM
2-stage standard Mast	3000	130	2105	4000	5°	8°	3000	3000	3500	3430
	3300	130	2255	4300	5°	8°	3000	2910	3500	3330
	3500	130	2355	4500	5°	8°	3000	2860	3500	3270
	3700	130	2455	4700	5°	8°	3000	2790	3430	3200
	4000	130	2605	5000	5°	8°	2920	2720	3350	3120
	4500	130	2905	5500	5°	6°	2730	2560	3150	2940
	4800	130	3055	5800	5°	6°	2650	2480	3050	2860
	5000	130	3255	6000	5°	6°	2600	2440	3000	2820
	5500	130	3455	6500	5°	6°	2480	2330	2870	2690
	6000	130	3705	7000	5°	6°	2340	2200	2720	2560
2-stage FFL Mast	3000	1105	2105	4000	5°	8°	3000	3000	3500	3430
	3300	1255	2255	4300	5°	8°	3000	2910	3500	3330
	3500	1355	2355	4500	5°	8°	3000	2860	3500	3270
	4000	1605	2605	5000	5°	8°	2920	2720	3350	3120
3-stage FFL Mast (Dual full free lift mast)	4000	990	1990	5500	5°	6°	2920	2720	3350	3120
	4500	1190	2190	5500	5°	6°	2730	2560	3150	2940
	4800	1340	2340	5800	5°	6°	2650	2480	3050	2860
	5000	1340	2340	6000	5°	6°	2600	2440	3000	2820
	5500	1540	2540	6500	5°	6°	2480	2330	2870	2680
	6000	1740	2740	7000	5°	6°	2340	2200	2720	2560
	6500	1955	2955	7500	5°	3°	2200	2100	2500	2400
3-stage FFL Mast (Single full free lift mast)	4000	1090	2090	5000	5°	6°	2920	2720	3350	3120
	4350	1205	2205	5350	5°	6°	2770	2590	3180	2980
	4500	1255	2255	5500	5°	6°	2730	2560	3150	3100
	4800	1355	2355	5800	5°	6°	2650	2480	3050	2940
	5000	1420	2420	6000	5°	6°	2600	2440	3000	2820
	5300	1520	2520	6300	5°	6°	2520	2370	2920	2730
	5500	1585	2585	6500	5°	6°	2480	2330	2870	2680
	6000	1750	2750	7000	5°	6°	2340	2200	2720	2560
6500	1910	2910	7500	5°	3°	2200	2100	2500	2400	

LOADING CAPACITY

