



BYD FORKLIFT WITH GLOBAL PRESENCE IN

6 continents

More than 30 countries

Service more than 1,000 satisfied customers

Market share of lithium forklifts exceeds 75%



BYD forklift WeChat



BYD forklift micro-blog



BYD forklift official website

GREEN LOGISTICS LEADER

COUNTER BALANCE FORKLIFT SERIES



BYD FORKLIFT ADVANTAGES

HIGH Performance	High traveling speed	High lifting speed	High gradeability	HIGH Quality Relying on advanced technologies in battery, motor, electric control and hydraulic system, BYD creates brilliant products.
Cornering speed control	Hill hold control	Overload protection	HIGH Safety	
HIGH Efficiency	1-hour quick charge	Energy saving	Multiple shifts operation adaptable	



High efficiency

BYD forklift equipped with high capacity lithium iron-phosphate battery and high efficiency charger, which ensures the strongest endurance and adapt to the most complex working conditions. It saves 90% charging time compared with lead-acid forklift.

High safety

Compared to lead-acid battery forklift, BYD lithium iron-phosphate battery forklift produce zero emission or pollution during charging that need no special charging room. In order to ensure the safety and stability of the battery, there are a series of extreme tests including overcharge, over discharge, short circuit, oven, crush and burning to name a few. Strong scientific capability and rigorous testing processes comprehensively guarantee the safety and excellent performance of BYD lithium iron-phosphate battery.

Long life cycle

Battery life is above 4,000 cycles or over 10 years. No need for battery replacement under normal use.

Strong temperature adaptability

Applies to the working condition from minus 40 degree Celsius to 60 degree Celsius with good performance.

Zero pollution, zero emission

The battery is composed of recyclable green materials. No heavy metal pollution. No toxic fumes or gas emissions during operation.

Maintenance free

No need for daily battery check or periodic maintenance. No need for add electrolyte or distilled water.

Opportunity charging

Opportunity charging during working break and lunch allow BYD forklift run all day. No memory effect.

BYD lithium iron-phosphate battery meets the following standards



Professional solutions for different industries



BYD forklift truck provides professional solutions for various industries to adapt to complex working conditions.

Highlights of BYD counter balance forklift

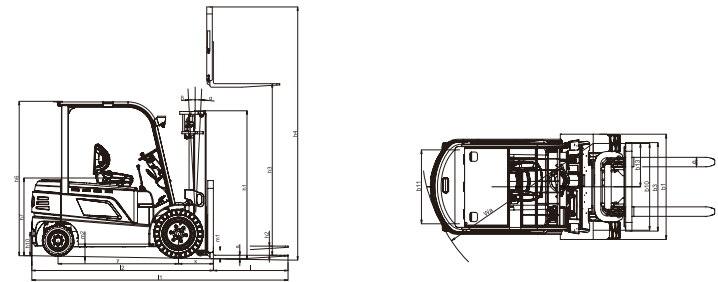


Greater visibility through the mast Finger control system Four-way valve standard LED lights Full-color TFT display

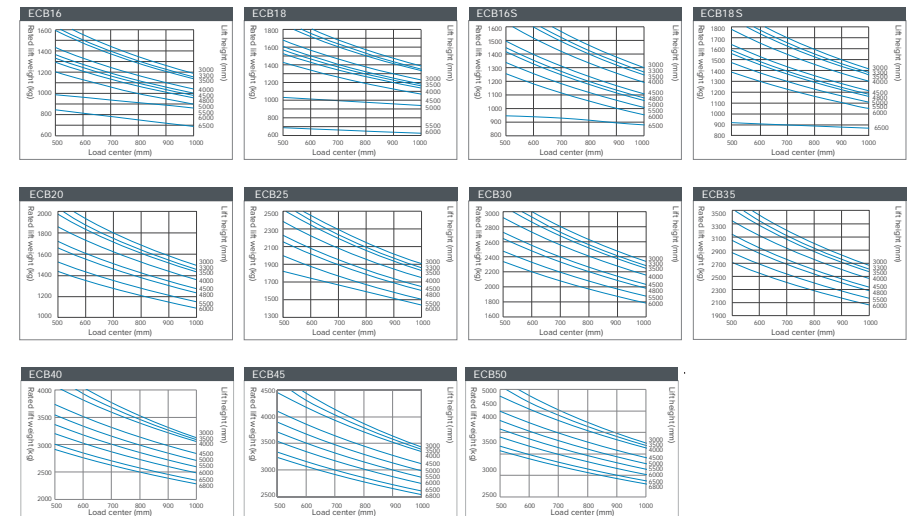
Functions

- Fork low position damper
- Speed limit when lifting
- Power-off protection
- Overload protection
- Low battery protection
- Operating presence sensing seat
- Turning speed limit
- Regenerative braking
- Hill hold control
- Blue light protection

Counter balance forklift layout



Balance forklift load diagram and mast specifications



ECB16 / ECB18 ECB16S / ECB18S mast specifications

ECB16 / ECB18 ECB16S / ECB18S	Lift height	Height, free lift	Height, mast lowered	Height, mast extended	Load back-rest height	Fore-rake angle	Back-rake angle
Duplex Standard Mast	3000	125	2020	3985	950	5°	7°
	3300	125	2170	4285	950	5°	7°
	3500	125	2270	4485	950	5°	7°
	4000	125	2570	4985	950	5°	7°
	4500	125	2820	5485	950	5°	5°
	5000	125	3120	5985	950	5°	5°
Duplex FFL Mast	3000	1035	2020	3985	950	5°	7°
	3300	1185	2170	4285	950	5°	7°
	3500	1285	2270	4485	950	5°	7°
	4000	1585	2570	4985	950	5°	7°
	4500	1068	2053	5485	950	5°	5°
Triplex FFL (3 Cylinder) Mast	4800	1168	2153	5785	950	5°	5°
	5000	1218	2203	5985	950	5°	5°
	5500	1418	2403	6485	950	5°	5°
	6000	1688	2673	6985	950	5°	3°
	6500	1868	2853	7485	950	5°	3°
Triplex FFL (4 Cylinder) Mast	4000	810	1895	4985	950	5°	5°
	4500	1060	2045	5485	950	5°	5°
	4800	1160	2145	5785	950	5°	5°
	5000	1210	2195	5985	950	5°	5°
	5500	1410	2395	6485	950	5°	5° / 3°
	6000	1680	2665	6985	950	5°	3°
6500	1860	2845	7485	950	5°	3°	

ECB30 / ECB35 mast specifications

ECB30 / ECB35	Lift height	Height, free lift	Height, mast lowered	Height, mast extended	Load back-rest height	Fore-rake angle	Back-rake angle
Duplex Standard Mast	3000	130	2105	4000	950	5°	8°
	3300	130	2255	4300	950	5°	8°
	3500	130	2355	4500	950	5°	8°
	3700	130	2455	4700	950	5°	8°
	4000	130	2605	5000	950	5°	8°
	4500	130	2905	5500	950	5°	6°
	4800	130	3055	5800	950	5°	6°
	5000	130	3205	6000	950	5°	6°
	5500	130	3455	6500	950	5°	6°
	6000	130	3705	7000	950	5°	6°
Duplex FFL Mast	3000	1105	2105	4000	950	5°	8°
	3300	1255	2255	4300	950	5°	8°
	3500	1355	2355	4500	950	5°	8°
	4000	1605	2605	5000	950	5°	8°
Triplex FFL (3 Cylinder) Mast	4000	1090	2090	5000	950	5°	6°
	4350	1205	2205	5350	950	5°	6°
	4500	1255	2255	5500	950	5°	6°
	4800	1355	2355	5800	950	5°	6°
	5000	1420	2420	6000	950	5°	6°
	5300	1520	2520	6300	950	5°	6°
	5500	1585	2585	6500	950	5°	6°
	6000	1750	2750	7000	950	5°	6°
	6500	1910	2910	7500	950	5°	3°

ECB20 / ECB25 MAST SPECIFICATIONS

ECB20 / ECB25	Lift height	Height, free lift	Height, mast lowered	Height, mast extended	Load back-rest height	Fore-rake angle	Back-rake angle
Duplex Standard Mast	3000	140	1990	4240	950	5°	9°
	3500	140	2290	4740	950	5°	9°
	4000	140	2540	5240	950	5°	9°
	4500	140	2840	5740	950	5°	6°
	5000	140	3090	6240	950	5°	6°
Duplex FFL Mast	3000	1050	2040	4240	950	5°	9°
	3500	1300	2290	4740	950	5°	9°
	4000	1550	2540	5240	950	5°	9°
Triplex FFL (3 Cylinder) Mast	4000	953	1943	5240	950	5°	6°
	4500	1103	2093	5740	950	5°	6°
	4800	1203	2193	6040	950	5°	6°
	5000	1303	2293	6240	950	5°	6°
	5300	1373	2363	6540	950	5°	6°
	5500	1503	2493	6740	950	5°	6°
	6000	1703	2693	7240	950	5°	6°
	6500	1853	2843	7740	950	5°	3°

ECB40 / ECB45 / ECB50 mast specifications

ECB40 / ECB45 / ECB50	Lift height	Height, free lift	Height, mast lowered	Height, mast extended	Load back-rest height	Fore-rake angle	Back-rake angle
Duplex Standard Mast	3000	145	2350	4255	1200	6°	8°
	3500	145	2600	4755	1200	6°	8°
	4000	145	2850	5255	1200	6°	8°
	4500	145	3100	5755	1200	6°	6°
	5000	145	3350	6255	1200	6°	6°
	5500	145	3600	6755	1200	6°	6°
Duplex FFL Mast	3000	1035	2235	4255	1200	6°	8°
	3300	1185	2385	4555	1200	6°	8°
	3500	1285	2485	4755	1200	6°	8°
	4000	1585	2785	5255	1200	6°	8°
Triplex FFL (3 Cylinder) Mast	4000	945	2145	5255	1200	6°	6°
	4500	1115	2315	5755	1200	6°	6°
	4800	1215	2415	6055	1200	6°	6°
	5000	1285	2485	6255	1200	6°	6°
	5500	1445	2645	6755	1200	6°	6°
	6000	1615	2815	7255	1200	6°	6°
	6500	1785	2985	7755	1200	6°	3°
	6800	1885	3085	8055	1200	6°	3°

COUNTER BALANCE FORKLIFT SPECIFICATIONS

Identification	Manufacturer		BYD	BYD	BYD	BYD	BYD	BYD
	Model		ECB16	ECB18	ECB16S	ECB18S	ECB20B	ECB25B
Driver			Electric	Electric	Electric	Electric	Electric	Electric
Operator type			Seated	Seated	Seated	Seated	Seated	Seated
Rated capacity	Q	kg	1600	1800	1600	1800	2000	2500
Load center	c	mm	500	500	500	500	500	500
Load distance, center of drive axle to fork	x	mm	365	365	420	420	425	425
Wheelbase	y	mm	1360	1360	1400	1400	1505	1505
Service weight including battery		kg	3100	3300	3340	3490	3600	4200
Axle load, with load, front/rear		kg	4083/617	4495/605	4206/734	4553/737	4901/699	5811/889
Axle load, without load, front/rear		kg	1466/1634	1551/1749	1555/1785	1570/1920	1672/1928	1775/2425
Tyres			SE	SE	SE	SE	SE	SE
Tyre size, front			18x7-8	18x7-8	6.00-9	6.00-9	21x8-9	21x8-9
Tyre size, rear			15x4.5-8	15x4.5-8	16x6-8	16x6-8	18x7-8	18x7-8
Wheels, number front/rear (x=driving wheels)			2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
Track width, front	b10	mm	890	890	890	890	1000	1000
Track width, rear	b11	mm	190	190	870	870	955	955
Tilt of mast/fork carriage forward/backward	α/β	°	5/7	5/7	5/8	5/8	5/8	5/8
Height, mast lowered	h1	mm	2020	2020	2020	2020	2030	2030
Free lift	h2	mm	125	125	110	110	140	140
Lift height	h3	mm	3000	3000	3000	3000	3000	3000
Height, mast extended	h4	mm	3985	3985	4040	4040	3990	3990
Height of overhead guard	h6	mm	2050	2050	2060	2060	2195	2195
Seat height	h7	mm	985	985	1005	1005	1100	1100
Coupling height	h10	mm	480	480	270	270	333	333
Overall length	l1	mm	2935	3005	3195	3195	3375	3375
Length to face of forks	l2	mm	1935	2005	2125	2125	2305	2305
Overall width	b1	mm	1050	1050	1050	1050	1195	1195
Fork dimensions	s/e/l	mm	35/100/1000	35/100/1000	40/100/1000	40/100/1000	40/120/1070	40/120/1070
Carriage Type(A/B) according ISO 2328			2A	2A	2A	2A	2A	2A
Fork carriage width	b3	mm	1040	1040	1044	1044	1085	1085
Ground clearance, with load,below mast	m1	mm	95	95	85	85	95	95
Ground clearance, center of wheelbase	m2	mm	95	95	85	85	105	105
Aisle width for pallets 1000x1200 crossways	Ast	mm	3261	3331	3799	3799	3646	3646
Aisle width for pallets 800x1200 crossways	Ast	mm	3385	3455	3600	3600	3845	3845
Min. turning radius	Wa	mm	1570	1640	1860	1860	2020	2020
Inner turning radius	b13	mm	0	0	537	537	555	555
Travel speed, with/without load		Km/h	16/16	16/16	16/16	16/16	20/20	20/20
Lift speed, with/without load		mm/s	500/550	500/550	420/450	420/450	420/450	420/450
Lowering speed, with/without load		mm/s	530/500	530/500	520/480	520/480	500/400	500/400
Max.drawbar pull, with/without load		KN	9.0/7.9	9.0/8.0	10.0/9.5	10.0/9.5	12.7/9.0	12.5/9.5
Max.gradeability, with/without load		%	20/20	18/20	20/20	20/20	20/20	20/20
Acceleration time,with/without load		s	4.5/4.0	4.5/4.0	6.0/5.0	6.0/5.0	4.9/4.3	4.9/4.3
Service brake			Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.
Drive motor rating S2 60 min.		kW	5×2	5×2	8.5	8.5	8×2	8×2
Lift motor rating at S3 15%		kW	16	16	16	16	20.7	20.7
Battery voltage, nominal capacity		V/Ah	80/270	80/270	80/270	80/270	80/270	80/270
Battery weight		kg	640	640	650	650	540	840
Motor control system			AC	AC	AC	AC	AC	AC
Operating pressure for attachments		Mpa	16	18	≤16	≤16	14.2	16.8
Sound level at the driver's ear		dB(A)	≤75	≤75	≤75	≤75	≤75	≤75
Towing coupling, type			PIN	PIN	PIN	PIN	PIN	PIN

COUNTER BALANCE FORKLIFT SPECIFICATIONS

Identification	Manufacturer		BYD	BYD	BYD	BYD	BYD
	Model		ECB27B	ECB20D	ECB25D	ECB30B	ECB35B
Driver			Electric	Electric	Electric	Electric	Electric
Operator type			Seated	Seated	Seated	Seated	Seated
Rated capacity	Q	kg	2700	2000	2500	3000	3500
Load center	c	mm	600	500	500	500	500
Load distance, center of drive axle to fork	x	mm	430	425	425	460	460
Wheelbase	y	mm	1505	1505	1505	1725	1725
Service weight including battery		kg	4460	3620	4220	4840	5440
Axle load, with load, front/rear		kg	6338/822	4920/700	5830/890	6693/1147	7722/1218
Axle load, without load, front/rear		kg	1799/2661	1690/1930	1793/2427	2023/2817	2274/3166
Tyres			Cushion	SE	SE	SE	SE
Tyre size, front			21x8x15	21x8-9	21x8-9	23x10-12	23x10-12
Tyre size, rear			18x6x12.125	18x7-8	18x7-8	200/50-10	200/50-10
Wheels, number front/rear (x=driving wheels)			2x/2	2x/2	2x/2	2x/2	2x/2
Track width, front	b10	mm	1000	970	970	1110	1110
Track width, rear	b11	mm	965	955	955	955	955
Tilt of mast/fork carriage forward/backward	α/β	°	5/5	6/9	6/9	5/8	5/8
Height, mast lowered	h1	mm	2030	1990	1990	2105	2105
Free lift	h2	mm	140	140	140	130	130
Lift height	h3	mm	3000	3000	3000	3000	3000
Height, mast extended	h4	mm	3990	4240	4240	4000	4000
Height of overhead guard	h6	mm	2195	2195	2195	2215	2215
Seat height	h7	mm	1100	1100	1100	1140	1140
Coupling height	h10	mm	333	333	333	333	333
Overall length	l1	mm	3390	3375	3375	3630	3630
Length to face of forks	l2	mm	2320	2305	2305	2560	2560
Overall width	b1	mm	1195	1195	1195	1360	1360
Fork dimensions	s/e/l	mm	45/125/1070	40/120/1070	40/120/1070	50/125/1070	50/125/1070
Carriage Type(A/B) according ISO 2328			3A	2A	2A	3A	3A
Fork carriage width	b3	mm	1085	1085	1085	1145	1145
Ground clearance, with load,below mast	m1	mm	95	95	95	110	110
Ground clearance, center of wheelbase	m2	mm	105	105	105	130	130
Aisle width for pallets 1000x1200 crossways	Ast	mm	3646	3646	3646	3875	3875
Aisle width for pallets 800x1200 crossways	Ast	mm	3773	3845	3845	4070	4070
Min. turning radius	Wa	mm	1895	2020	2020	2210	2210
Inner turning radius	b13	mm	0	555	555	485	485
Travel speed, with/without load		Km/h	18/18	16/16	16/16	20/20	20/20
Lift speed, with/without load		mm/s	420/450	420/450	420/450	380/450	380/450
Lowering speed, with/without load		mm/s	500/400	500/400	500/400	550/450	550/450
Max.drawbar pull, with/without load		KN	12/10	12.7/9.0	12.5/9.5	17.4/12.2	17.2/13.6
Max.gradeability, with/without load		%	18/20	16/20	16/20	20/20	20/20
Acceleration time,with/without load		s	5.1/4.5			4.9/4.3	4.9/4.3
Service brake			Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.
Drive motor rating S2 60 min.		kW	8×2	8.5	8.5	10×2	10×2
Lift motor rating at S3 15%		kW	20.7	20.7	20.7	24	24
Battery voltage, nominal capacity		V/Ah	80/270	80/270	80/270	80/540	80/540
Battery weight		kg	840	540	840	860	1460
Motor control system			AC	AC	AC	AC	AC
Operating pressure for attachments		Mpa	17.2	14.2	16.8	16	18
Sound level at the driver's ear		dB(A)	≤75	≤75	≤75	≤75	≤75
Towing coupling, type			PIN	PIN	PIN	PIN	PIN

COUNTER BALANCE FORKLIFT SPECIFICATIONS

			BYD	BYD	BYD	BYD	BYD	
Identification	Manufacturer		BYD	BYD	BYD	BYD	BYD	
	Model		ECB30D	ECB35D	ECB40 B/C	ECB45 B/C	ECB50 B/C	
	Driver		Electric	Electric	Electric	Electric	Electric	
	Operator type		Seated	Seated	Seated	Seated	Seated	
	Rated capacity	Q	kg	3000	3500	4000	4500	5000
	Load center	c	mm	500	500	500	500	500
Weights	Load distance, center of drive axle to fork	x	mm	500	500	555	555	555
	Wheelbase	y	mm	1725	1725	2000	2000	2000
	Service weight including battery		kg	5000	5600	6750	7030	7350
	Axle load, with load, front/rear		kg	7072/928	8113/987	3331/3419	3315/3715	3322/4028
	Axle load, without load, front/rear		kg	2333/2667	2584/3016	9441/1309	10188/1342	10960/1390
	Tyres			SE	SE	SE	SE	SE
Wheels	Tyre size, front			28x9-15	28x9-15	28x12.5-15	28x12.5-15	28x12.5-15
	Tyre size, rear			200/50-10	200/50-10	21x8-9	21x8-9	21x8-9
	Wheels, number front/rear (x-driving wheels)			2x/2	2x/2	2x/2	2x/2	2x/2
	Track width, front	b10	mm	1120	1120	1216	1216	1216
	Track width, rear	b11	mm	955	955	1130	1130	1130
	Dimensions	Tilt of mast/fork carriage forward/backward	α/β	°	5/8	5/8	6/8	6/8
Height, mast lowered		h1	mm	2105	2105	2350	2350	2350
Free lift		h2	mm	130	130	130	130	130
Lift height		h3	mm	3000	3000	3000	3000	3000
Height, mast extended		h4	mm	4000	4000	4240	4240	4240
Height of overhead guard		h6	mm	2215	2215	2360	2360	2360
Seat height		h7	mm	1140	1140	1260	1260	1260
Coupling height		h10	mm	333	333	470	470	470
Overall length		l1	mm	3630	3630	3990	3990	3990
Length to face of forks		l2	mm	2560	2560	2920	2920	2920
Overall width		b1	mm	1360	1360	1516	1516	1516
Fork dimensions		s/e/l	mm	50/125/1070	50/125/1070	55/150/1070	55/150/1070	55/150/1070
Carriage Type(A/B) according ISO 2328				3A	3A	3A	3A	3A
Fork carriage width		b3	mm	1145	1145	1500	1500	1500
Ground clearance, with load, below mast		m1	mm	110	110	130/150	130/150	130/150
Ground clearance, center of wheelbase		m2	mm	130	130	160/160	160/160	160/160
Aisle width for pallets 1000x1200 crossways		Ast	mm	3970	3970	4550	4550	4550
Aisle width for pallets 800x1200 crossways		Ast	mm	4170	4170	4750	4750	4750
Min. turning radius		Wa	mm	2270	2270	2600	2600	2600
Inner turning radius		b13	mm	560	560	810	810	810
Performance	Travel speed, with/without load		Km/h	15/16	15/16	18/18	18/18	18/18
	Lift speed, with/without load		mm/s	380/450	380/450	350/450	350/450	350/450
	Lowering speed, with/without load		mm/s	550/450	550/450	500/400	460/400	500/400
	Max. drawbar pull, with/without load		KN	14.5/13	14/14	28/18	28/18	28/18
	Max. gradeability, with/without load		%	15/20	15/20	20/20	20/20	20/20
	Acceleration time, with/without load		s		4.5/4	4.5/4	4.5/4	4.5/4
Electrics	Service brake			Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.	Mech./Hydr.
	Drive motor rating S2 60 min.		kW	21.5	21.5	2x15	2x15	2x15
	Lift motor rating at S3 15%		kW	24	24	25.4	25.4	25.4
	Battery voltage, nominal capacity		V/Ah	80/540	80/540	64.8	64.8	64.8
	Battery weight		kg	860	1460	900	900	900
	Motor control system			AC	AC	AC	AC	AC
Others	Operating pressure for attachments		Mpa	16	18	≤17	≤17	≤17
	Sound level at the driver's ear		dB(A)	≤75	≤75	≤75	≤75	≤75
	Towing coupling, type			PIN	PIN	PIN	PIN	PIN

MEDIUM & LIGHT DUTY COUNTER BALANCE FORKLIFT SERIES



ECB16
Load capacity: 1.6 ton
Curb weight: 3100 kg
Min. turning radius: 1,570 mm
Voltage: 80 V
Battery capacity: 270 Ah



ECB18
Load capacity: 1.8 ton
Curb weight: 3,300 kg
Min. turning radius: 1,640 mm
Voltage: 80 V
Battery capacity: 270 Ah



ECB18S
Load capacity: 1.6 ton
Curb weight: 3,100 kg
Min. turning radius: 1,570 mm
Voltage: 80 V
Battery capacity: 270 Ah



ECB18S
Load capacity: 1.8 ton
Curb weight: 3,600 kg
Min. turning radius: 1,640 mm
Voltage: 80 V
Battery capacity: 270 Ah



ECB20
Load capacity: 2.0 ton
Curb weight: 3,600 kg
Min. turning radius: 2,020 mm
Voltage: 80 V
Battery capacity: 270Ah/540Ah



ECB25
Load capacity: 2.5 ton
Curb weight: 4,200 kg
Min. turning radius: 2,020 mm
Voltage: 80 V
Battery capacity: 270Ah/540Ah



ECB30
Load capacity: 3.0 ton
Curb weight: 4,840 kg
Min. turning radius: 2,210 mm
Voltage: 80 V
Battery capacity: 270Ah/540Ah



ECB35
Load capacity: 3.5 ton
Curb weight: 5,440 kg
Min. turning radius: 2,210 mm
Voltage: 80 V
Battery capacity: 540 Ah



ECB40
Load capacity: 4 ton
Curb weight: 6,750 kg
Min. turning radius: 2,600 mm
Voltage: 80 V
Battery capacity: 540Ah/810Ah



ECB45
Load capacity: 4.5 ton
Curb weight: 7,030 kg
Min. turning radius: 2,600 mm
Voltage: 80 V
Battery capacity: 540Ah/810Ah



ECB50
Load capacity: 5 ton
Curb weight: 7,350 kg
Min. turning radius: 2,600 mm
Voltage: 80 V
Battery capacity: 540Ah/810Ah

Standard configurations

- BYD lithium-iron-phosphate battery
- 80V 270Ah/540Ah battery
- 100A quick charger
- GB standard charge interface
- Three-phase AC asynchronous motor
- 1,070mm fork
- 3m duplex STD Mast
- 1,200mm load back-rest
- Multifunction dashboard
- Rear handle with alarm
- LED head light and tail light

Optional configurations

- Finger / twin stick control system
- 200A quick charger
- Integral side shifter
- Grammer MSG65 seat
- Driving cab / roof / front windshield / wiper
- Reversing alarm / reversing voice alarm
- Hermetic wet type disk brake / dual pedal
- Fan / fire extinguisher
- Panoramic rear-view mirror / strobe light
- Rear working light
- Special key

Charging time (Unit: hour)

Charger	Battery	
	80V 270Ah	80V 540Ah
100A Standard	About 2.5	About 5
200A Option	About 1.2	About 2.5



BYD FORKLIFT WITH GLOBAL PRESENCE IN

6 continents
More than 30 countries
Service more than 1,000 satisfied customers
Market share of lithium forklifts exceeds 75%

GREEN LOGISTICS LEADER

STORAGE SERIES



BYD forklift WeChat



BYD forklift micro-blog



BYD forklift official website



WAREHOUSING AND LOGISTICS SOLUTIONS

BYD is the leader in the pure electric forklift industry, and it has been deeply involved in warehousing and logistics for many years. With its unique battery, motor, electronic control and other technical advantages and accumulated experiences, BYD has developed a number of green warehousing products. Such as tramp type / standing-driving pallet truck, tramp type / standing-driving stacker truck, standing-driving / seated reach truck. Load capacity ranges from 1.4-3.0 tons, which can meet the needs of different customers in different working conditions and provide the most professional and efficient warehousing and logistics solutions for various industries.

OUR ADVANTAGES

⊕ High efficiency

BYD forklift equipped with high capacity lithium iron-phosphate battery and high efficiency charger, which ensures the strongest endurance and adapt to the most complex working conditions. It saves 90% charging time compared with lead-acid forklift.



⊕ High safety

Compared to lead-acid battery forklift, BYD lithium iron-phosphate battery forklift produce zero emission or pollution during charging that need no special charging room. In order to ensure the safety and stability of the battery, there are a series of extreme tests including overcharge, over discharge, short circuit, oven, crush and burning to name a few. Strong scientific capability and rigorous testing processes comprehensively guarantee the safety and excellent performance of BYD lithium iron-phosphate battery.



⊕ Long life cycle

Battery life is above 4,000 cycles or over 10 years. No need for battery replacement under normal use.

⊕ Strong temperature adaptability

Applies to the working condition from minus 40 degree Celsius to 60 degree Celsius with good performance.



⊕ High performance

BYD lithium iron-phosphate battery forklift equipped with electronic power steering and ZF drive axle to ensure efficient power output.

BYD lithium iron-phosphate battery meets the following standards



UL 1642



UL 2580



UN 38.3



QC / T 743

Professional solutions for different industries



BYD forklift truck provides professional solutions for various industries to adapt to complex working conditions.

RTR16

Load capacity: 1.6 ton
 Curb weight: 4,279 kg
 Min. turning radius: 1,758 mm
 Voltage: 80 V
 Battery capacity: 270 Ah



RTS15

Load capacity: 1.5 ton
 Curb weight: 2,850 kg
 Min. turning radius: 1,600 mm
 Voltage: 80 V
 Battery capacity: 270 Ah

Highlights of BYD reach truck

- Lifting height / weight display
- Fork automatic leveling
- Fork low position damper
- 180° maximum rotation angle of operating handle
- Overload protection
- Offset free lift cylinder design
- Low battery / power off protection
- Regenerative braking
- Operating presence sensing seat
- Speed limit when lifting or turning

Optional configurations

- 200A super charger
- Mast, load back-rest and fork customization available

Notice: Functions and configurations will change according to different models.

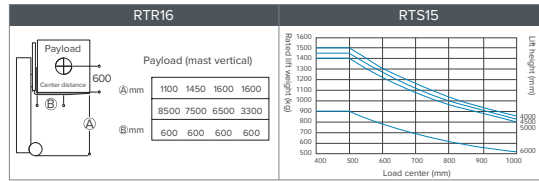
Standard configurations

- BYD lithium-iron-phosphate battery
- 24V 110Ah battery
- GB standard charge interface
- Three-phase AC asynchronous motor
- 100A quick charger
- 4.0m Duplex Standard mast
- 1,200mm fork with load back-rest
- External side shifter
- Multifunction dashboard

Charging time (Unit: hour)

Charger	Battery	
	24V 110Ah	80V 270 Ah
30A	About 3.5	-
100A	About 1	About 2.5
200A	-	About 1.2

Reach truck load diagram



Reach truck mast specifications

Model	Lift height	Height, free lift	Height, mast lowered	Height, mast extended	Load back-rest height	Fore-rake angle	Back-rake angle
STD mast	2700	35	1971	3946	1200	2°	4°
	3000	35	2121	4246	1200	2°	4°
	3500	35	2371	4746	1200	2°	4°
	3800	35	2521	5046	1200	2°	4°
	4000	35	2621	5246	1200	2°	4°
	4500	35	2871	5746	1200	2°	4°
	4800	35	3021	6046	1200	2°	4°
	5000	35	3121	6246	1200	2°	4°
Triple FFL mast	5300	35	3271	6546	1200	2°	4°
	4500	961	2161	5746	1200	2°	4°
	4800	1061	2261	6046	1200	2°	4°
	5100	1161	2361	6346	1200	2°	4°
	5550	1311	2511	6796	1200	2°	4°
	6000	1461	2661	7246	1200	2°	4°
	6450	1611	2811	7696	1200	2°	4°
	6750	1761	2961	7996	1200	2°	4°
	7200	1911	3111	8446	1200	2°	4°
	7650	2061	3261	8896	1200	2°	4°
8100	2211	3411	9346	1200	2°	4°	
8500	2296	3496	9746	1200	2°	4°	

REACH TRUCK SPECIFICATIONS

Identification	Manufacturer		BYD	BYD	
	Model		RTS15	RTR16	
Weights	Power Type		Electric	Electric	
	Operation Type		Stand-UP Rider	Seated	
	Load capacity	Q	kg	1500	1600
	Load center	c	mm	500	600
	Load distance (mast reached/retracted)	x	mm	175/345	188/400
	Wheel base	y	mm	1350	1470
	Service weight (with battery)		kg	2850	4270
Wheels	Axle Load without load (reached), drive/load side		kg	1909 / 2361	
	Axle Load without load (retracted), drive/load side		kg	2627 / 1643	
	Axle Load full load (reached), drive/load side		kg	490/3860	1038 / 4832
	Axle Load full load (retracted), drive/load side		kg	-	2410 / 3460
Dimensions	Tire Type		Polyurethane	Polyurethane	
	Tires size-front		Φ313X125	Φ343×136	
	Tires size-rear		Φ300X100	Φ340×100	
	Wheels (x = driven) front/rear		1x/2	1x/2	
	Track width-front	b10	mm	-	0
	Track width-rear	b11	mm	-	1170
	Tilt Range (forward / backward)	α/β	(°)	2/4	2 / 4
	Mast Lowered Height	h1	mm	2662	3496
	Free-Lift	h2	mm	1415	2296
	Max.fork height	h3	mm	6000	8500
Mast Extended Height	h4	mm	7245	9746	
Overhead Guard Height (tiller in drive position)		mm	-	2345	
Seat Height	h7	mm	-	1020	
Base Legs Height	h9	mm	-	1225	
Fork Height (lowered)	h13	mm	45	360	
Overall Length	l1	mm	2330	2555	
Power Unit Length	l2	mm	-	1355	
Overall Width	b1	mm	1090	1270	
Fork Dimensions	s/e/l	mm	1070 / 100 / 40	35 / 100 / 1200	
Carriage Type (A/B) according ISO 2328			-	2A	
Carriage Width	b3	mm	-	730	
Outside Fork Spread (max/min)	b5	mm	-	430 / 678	
Base Legs Opening (inside dimensions)	b4	mm	-	930	
Maximum Reach	l4	mm	520	588	
Underclearance (mast)	m1	mm	80	73	
Underclearance (centerline of wheelbase)	m2	mm	-	80	
Aisle width for pallets 1000×1200	Ast	mm	2688	2848	
Aisle width for pallets 800×1200	Ast	mm	2744	2904	
Min. Turning Radius	Wa	mm	1600	1758	
Head Length (length to fork face)	l7	mm	-	1930	
Performance	Travel speed, with/without load	Km/h	10.5 / 10.5	13 / 13	
	Lift speed, with/without load	mm/s	320 / 550	380 / 680	
	Lowering speed, with/without load	mm/s	500 / 550	550 / 550	
	Mast reach speed with/without load	mm/s	-	180 / 180	
	Mast retract speed with/without load	mm/s	-	180 / 180	
	Gradeability (with/without load)	%	10 / 15	12 / 12	
	Acceleration time (with/without load)	s	-	5.6 / 5.0	
Electrics	Brake service		-	Meach./Hydr	
	Drive motor power (rated/max.)	kw	5.8	6.8 / 13.2	
	Pump motor power (rated/max.)	kw	8.6	12 / 19	
	Battery capacity	V/Ah	80 / 270	80 / 270	
Others	Battery weight	kg	-	425	
	Motor control type		AC	AC	
	Operating pressure for attachments	bar	<210	210	
Sound level at the driver's ear	dB(A)	≤75	≤75		

P20PS

Load capacity: 2.0 ton
 Curb weight: 700 kg
 Min. turning radius: 1,750 mm
 Voltage: 24 V
 Battery capacity: 130 Ah



Highlights of BYD pallet truck

- Deceleration when turning
- Multifunction storage box
- Power-off protection
- 180° maximum rotation angle of operating handle
- Overload protection
- Speed limit when lifting
- Multifunction operating handle
- Constantly variable speed control driving system
- Low battery protection
- Braking when operating handle pushed upright or pressed down, double guarantee for safety



Standard configurations

- BYD lithium-iron-phosphate battery
- 24V 110Ah battery
- GB standard charge interface
- Three-phase AC asynchronous motor
- 1,125mm fork
- Multifunction dashboard

Optional configurations

- Electronic power steering
- 100A quick charger
- Anti-skid thickened tires
- Keyboard coded lock
- Pallet fork customization available
- Fence

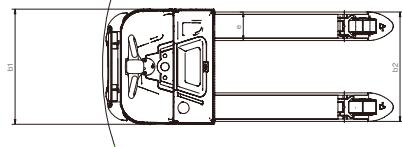
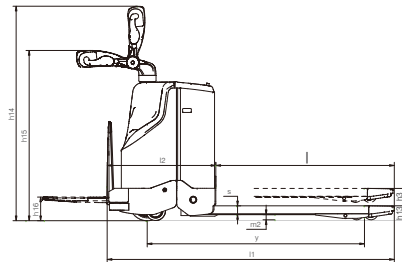
Notice: Functions and configurations will change according to different models.

Charging time (Unit: hour)

Charger	Battery
	24V 110Ah
30A Standard	About 3.5
100A Option	About 1

P20JW

Load capacity: 2.0 ton
 Curb weight: 577 kg
 Min. turning radius: 1,520 mm
 Voltage: 24 V
 Battery capacity: 110 Ah



PALLET TRUCK SPECIFICATIONS

Identification	Manufacturer			BYD	BYD	
	Model			P20PS	P20JW	
	Power Type			Electric	Electric	
	Operation Type			Rider	Walkie	
	Load capacity	Q	kg	2000	2000	
	Load center	c	mm	600	600	
	Wheel base	x	mm	1418	1024	
	Load distance	y	mm	1076	1420	
Weights	Net weight incl.battery		kg	700	577	
	Axle load, w.load front/rear		kg	1200/1480	1138 / 1439	
	Axle load, w.o.load front/rear		kg	530/170	438 / 139	
Wheels	Tires			Polyurethane		
	Tires Size, Drive Side		mm	Φ230×75	Φ250 × 70	
	Tires Size, Load Side		mm	Φ85×110	Φ82 × 126	
	Caster Wheels		mm	Φ100×50	Φ127 × 57	
	Wheels, number front/rear X=Driven wheels			1×+2/2(4)	1X+2/2	
	Track Width, Drive Side		b10	mm	510	510
	Track Width, Load Side		b11	mm	505	505
Dimensions	Lift Height		h3	mm	120	120
	Height of tiller in drive position min		h15	mm	970	780
	Height of tiller in drive position max		h14	mm	1300	1230
	Platform Height		h16	mm	180	-
	Fork Lowered Height		h13	mm	85	82
	Overall Length		l1	mm	1890/2360	1900
	Head Length		l2	mm	670	555
	Overall Width		b1	mm	726	775
	Outer Width		b2	mm	685	685
	Fork Dimensions		s/e/l	mm	60×180×1220	54 / 180 / 1220
Performance	Outside Fork Spread			mm	685	685
	Floor clearance centre wheelbase		m2	mm	25	28
	Aisle width for pallets 800×1200 lengthways		Ast	mm	1750	2135
	Min. Turning radius			mm	1989/2473	1520
	Travel Speed, w/w.o.load			km/h	6/6	5.5 / 5.6
	Lift Speed, w/w.o.load			mm/s	40/50	30 / 56
	Lower Speed, w/w.o.load			mm/s	50/40	64 / 50
	Max Gradeability (laden/unladen)			%	8/15	8 / 20
	Electrics	Service Brake			electromagnetic braking	
		Drive Motor Rating s2 60min			kw	1.3
Drive Motor Type				AC	AC	
Lift Motor Rating s3 10%			kw	1.2	1.2	
Lift Motor Type				DC	DC	
Steering Motor			kw	-	-	
Battery Capacity			V/Ah	24/130	24 / 110	
Others	Battery Weight			kg	70	70
	Sound level at the driver's ear			dB(A)	70	70

S14JW

Load capacity: 1.4 ton
Curb weight: 1,200 kg
Min. turning radius: 1,564 mm
Voltage: 24 V
Battery capacity: 110 Ah



Highlights of BYD stacker truck

- Hill hold control
- ZF drive axle
- Power-off protection
- Emergency braking switch
- Overload protection
- Fork low position damper
- Multifunction operating handle
- Deceleration when turning
- Low battery protection
- Speed limit / overturn protection when lifting

Standard configurations

- BYD lithium-iron-phosphate battery
- 24V 110Ah battery
- GB standard charge interface
- Three-phase AC asynchronous motor
- 30A quick charger
- 1,150mm fork with fence
- Multifunction dashboard

Optional configurations

- Electronic power steering
- 100A quick charger
- Anti-skid thickened tires
- Keyboard coded lock
- Pallet fork customization available

Notice: Functions and configurations will change according to different models.

S14JW mast specifications

S14JW	Lift height	Fork height	Height, mast lowered	Load back -rest height	Height, mast extended (without load back)	Height, mast extended (with Load back)	Height, free lift (with load back)	Height, free lift (with load back)	Fore-rake angle	Back -rake angle
Simplex STD mast	1000	1086	1480	365	1485	1485	995	995	0	0
	2000	2086	1530	365	2517	2517	136	136	0	0
	2500	2586	1780	365	3017	3017	136	136	0	0
	2900	2986	1980	365	3417	3417	136	136	0	0
Duplex STD mast	3200	3286	2130	365	3717	3717	136	136	0	0
	3600	3686	2330	365	4117	4117	136	136	0	0
	4000	4086	2530	365	4517	4517	136	136	0	0
	4300	4386	2680	365	4817	4817	136	136	0	0
Duplex FFL mast	2500	2586	1805	365	3058	3058	1336	1250	0	0
	3000	3086	2055	365	3558	3558	1586	1500	0	0
	3500	3586	2305	365	4058	4058	1836	1750	0	0
	4000	4086	2555	365	4558	4558	2086	2000	0	0
Triple FFL mast	4000	4086	1830	365	4547	4547	1369	1369	0	0
	4300	4386	1930	365	4847	4847	1469	1469	0	0
	4700	4786	2080	365	5280	5280	1586	1586	0	0
	4800	4886	2192	365	5392	5392	1686	1686	0	0
	5300	5386	2280	365	5880	5880	1786	1786	0	0
	5400	5486	2330	365	5947	5947	1869	1869	0	0

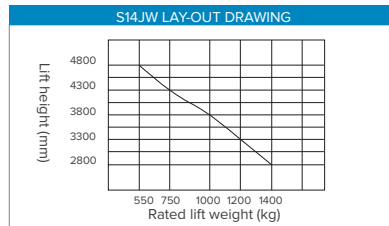
S14PS

Load capacity: 1.4 ton
Curb weight: 1,280 kg
Min. turning radius: 1,512 mm
Voltage: 24 V
Battery capacity: 110 Ah

Charging time (Unit: hour)

Charger	Battery	
	24V 110Ah	24V 130Ah
30A Standard	About 3.5	About 4.0
100A Option	About 1	About 1

S14JW load diagram



STACKER TRUCK SPECIFICATIONS

Identification	Manufacturer		BYD	BYD		
	Model		S14JW	S14PS		
	Power Type		Electric	Electric		
	Operation Type		Walkie	Stand-UPRider		
	Load capacity	Q	kg	1400	1400	
	Load center	C	mm	600	600	
	Front overhang	X	mm	665	672	
	Wheelbase	y	mm	1245	1260	
Weights	Service Weight (with battery)		kg	1200	1280	
	Axle load with load, drive/load side		kg	1000 / 1600	1050 / 1630	
	Axle load without load drive/load side		kg	800 / 400	850 / 430	
Wheels	Tire, operator/load side			Polyurethane	Polyurethane	
	Tire Size, Load Side		mm	Φ230×75	Φ230×75	
	Tires Size, Load Side		mm	4×Φ85×75	4×Φ85×75	
	Wheels Size, Caster Wheel		mm	2×Φ125×50	2×Φ125×50	
	Wheels, number front/rear X=Driven wheels			1X+2/4	1X+2/4	
	Track Width, Drive Side		mm	518	518	
	Track Width, Load Side		mm	380	500/380	
	Height of Mast, Lowered	h1	mm	2134	2134	
	Free Lift Hight	h2	mm	150	136	
	Lift Height	h3	mm	3200	3200	
Dimensions	Height of Mast, Extended	h4	mm	3649	3717	
	Initial lift height	h5	mm	-	-	
	Height of tiller in drive position min/max		mm	840 / 1255	1040 / 1330	
	Fork Height, Lowered		mm	85	90	
	Overall Length	l1	mm	1918	1962	
	Overall Length (without Fork)-Head Length	l2	mm	758	812	
	Overall Width	b1	mm	800	800	
	Fork Dimensions		mm	60 / 190 / 1150	60/190/1150	
	Carriage Width	b3	mm	782	782	
	Outside Fork Spread, min./max.	b5	mm	560 / 690	690	
	Ground clearance, center of wheelbase	m2	mm	30	25	
	Aisle width, 1000x1200mm pallet crosswise		mm	2432	2395	
	Aisle width, 800x1200mm pallet crosswise		mm	2451	2374	
	Min. Turning radius		mm	1564	1512	
	Performance	Travel Speed, with/without load		km/h	6/6	6 / 6
		Lift Speed, with/without load		mm/s	170 / 280	180 / 210
		Lower Speed, with/without load		mm/s	260 / 320	200 / 220
		Gradeability (5 min. rating), with/without load		%	5 / 10	5 / 10
Acceleration time (with/without load)			s	7.9 / 7.2	7.9 / 7.2	
Service brake				Electromagnetic Braking	electromagnetic braking	
Electrics	Drive motor output (60 min.rating)		kw	1.5	1.5	
	Lift motor output (15% rating)		kw	3	3	
	Battery Capacity		V/Ah	24 / 110	24/130	
	Battery Weight		kg	115	100	
Others	Type of drive control			AC	AC	
	Sound level at driver's ear		dB(A)	70	<70	



**HIGH EFFICIENCY BRINGS
HIGH PRODUCTIVITY**