

TRUCK FEATURES



STANDARD EQUIPMENT:

- BYD 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
- Orange seat belt

OPTIONAL EQUIPMENT:

- 1-hour fast-charging solution
- Charger 80V 200A
- Battery 80V 540Ah (43.2 kWh)
- Cabin and weather protection kits
- Dual joystick control
- Synchronised steering control
- Blue light
- Panoramic mirror
- Rear working light
- LED lights
- Multiple masts variants
- Double pedal system



ISO 9001
ISO 14001
OHSAS 18001



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The BYD ECB20S is a highly developed 3-wheel forklift truck which boasts advanced features and extreme operational capability whilst minimising the effect on the environment thanks to its patented BYD Iron-Phosphate Battery Technology. The efficient, emission-free BYD ECB20S fits into BYD's existing range to offer a powerful option for those seeking to optimise their material handling fleet, particularly in intensive warehouse operations where its short charge times offer high levels of availability.

ECB20S

2-Tonne 3-Wheel Forklift Truck

CHANGE YOUR MIND
NOT YOUR BATTERY

 Lithium |  8 YRS 10,000 HRS Battery Warranty | BYD Iron-Phosphate

ECB20S TECHNICAL SPECIFICATIONS

Identification	1.1	Manufacturer			BYD
	1.2	Model			ECB20S
	1.3	Drive			Electric
	1.4	Operator type			Seat
	1.5	Rated capacity	Q	kg	2000
	1.6	Load centre	c	mm	500
	1.8	Load distance, centre of drive axle to fork	x	mm	390
	1.9	Wheelbase	y	mm	1450
	Weight	2.1	Service weight		kg
2.2		Axle load, with load, front/rear		kg	4873/677
2.3		Axle load, without load, front/rear		kg	1645/1905
Wheels, Chassis	3.1	Tyres			SE
	3.2	Tyre size, front		mm	200/50-10
	3.3	Tyre size, rear		mm	140/55-9
	3.5	Wheels, number front rear (x=driven wheels)			2x/2
	3.6	Track width, front	b10	mm	932
	3.7	Track width, rear	b11	mm	220
	Basic Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b	deg
4.2		Height, mast lowered	h1	mm	1990
4.3		Free lift	h2	mm	130
4.4		Lift height	h3	mm	3000
4.5		Height, mast extended	h4	mm	4040
4.7		Height of overhead guard	h6	mm	2050
4.8		Seat height	h7	mm	985
4.12		Coupling height	h10	mm	480
4.19		Overall length	l1	mm	3115
4.20		Length to face of forks	l2	mm	2045
4.21		Overall width	b1	mm	1130/1030
4.22		Fork dimensions	s/e/l	mm	40/100/1070
4.23		Fork carriage ISO 2328, class/type A, B			2A
4.24		Fork carriage width	b3	mm	1040
4.31		Ground clearance, with load, below mast	m1	mm	95
4.32		Ground clearance, centre of wheelbase	m2	mm	95
4.33		Aisle width for pallets 1000x1200 crossways	Ast	mm	3387
4.34	Aisle width for pallets 800x1200 lengthways	Ast	mm	3513	
4.35	Turning radius	Wa	mm	1655	
Performance Data	5.1	Travel speed, with/without load		Km/h	16/16
	5.2	Lift speed, with/without load		mm/s	450/480
	5.3	Lowering speed, with/without load		mm/s	480/450
	5.6	Max. drawbar pull, with/without load		KN	9/8
	5.8	Max. gradeability, with/without load		%	15/20
	5.10	Service brake		s	Mech./Hydr.
Motor	6.1	Drive motor rating S2 60 min.		kW	6.5x2
	6.2	Lift motor rating at S3 15%		kW	16
	6.4	Battery voltage, nominal capacity K5		V/Ah	80/270Ah (STD); 80/340Ah (Option)
	6.5	Battery weight		kg	610
	Other	8.1	Type of drive control		
8.2		Operating pressure for attachments		Bar	160
8.4		Sound level at the driver's ear		dB(A)	<75
8.5		Towing coupling, type			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) (without attachment)	
							ECB20S	
							@500MM	@600MM
2-stage standard Mast	3000	130	1990	4040	5°	7°	2000	1931
	3500	130	2290	4540	5°	7°	1985	1837
	4000	130	2540	5040	5°	7°	1887	1750
	4500	130	2840	5540	5°	5°	1781	1657
	5000	130	3090	6040	5°	5°	1578	1475
2-stage FFL Mast	3000	1000	2040	4040	5°	7°	2000	1931
	3300	1150	2190	4340	5°	7°	2000	1873
	3500	1250	2290	4540	5°	7°	1985	1837
	4000	1500	2540	5040	5°	7°	1887	1750
3-stage with single FFL	4000	893	1893	5040	5°	5°	1859	1727
	4500	1093	2093	5540	5°	5°	1764	1643
	4800	1193	2193	5840	5°	5°	1710	1595
	5000	1293	2293	6040	5°	5°	1671	1560
	5500	1443	2443	6540	5°	3°	1578	1475
	*6000	1643	2643	7040	5°	3°	1493	1399
	*6500	1793	2793	7540	5°	3°	1416	1329

*Widened tires required when the mast exceeds 6 meters

LOADING CAPACITY

