

# TRUCK FEATURES

## STANDARD EQUIPMENT

Iron Phosphate Battery Technology  
Battery 80V • 21.6 kWh • 270Ah  
Charger 80V • 200A  
Dual 80V AC Drive Motor  
Regenerative Braking  
LED Lights (Front • Rear • Strobe)  
LCD Display  
4-Way Hydraulic Valve  
Rear Grab-Handle with Horn  
Rearview Mirrors

## STANDARD SAFETY FEATURES

Cornering Speed Reduction  
Ramp Hold Assist  
Operator Presence Sensor (OPS)  
Orange Seatbelt with Interlock

## OPTIONAL EQUIPMENT

Universal 110V Wall Charger  
Charger 80V • 100A  
Grammer® Suspension Seat  
Fingertip Controls  
Dual Joystick Controls  
Synchronized Steering  
Blue Light  
Rear Working Light  
Full or Partial Cab Enclosure



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BYD Forklift production site is certified:

**ISO 9001 ISO 14001 OHSAS 18001**



BYD trucks conform to the  
United States Safety Requirements  
All BYD forklifts comply with ANSI B56.1

# FORKLIFTS SIMPLIFIED

**ECB16/18**



**SAFE**



**RELIABLE**



**PROVEN**

- 80V AC Technology
- Rapid, Restriction-Free Charging

- No Battery Maintenance Required
- 10-Year or 20,000-Hour Battery Warranty



**IFOY AWARD**  
international forklift truck  
of the year 2016

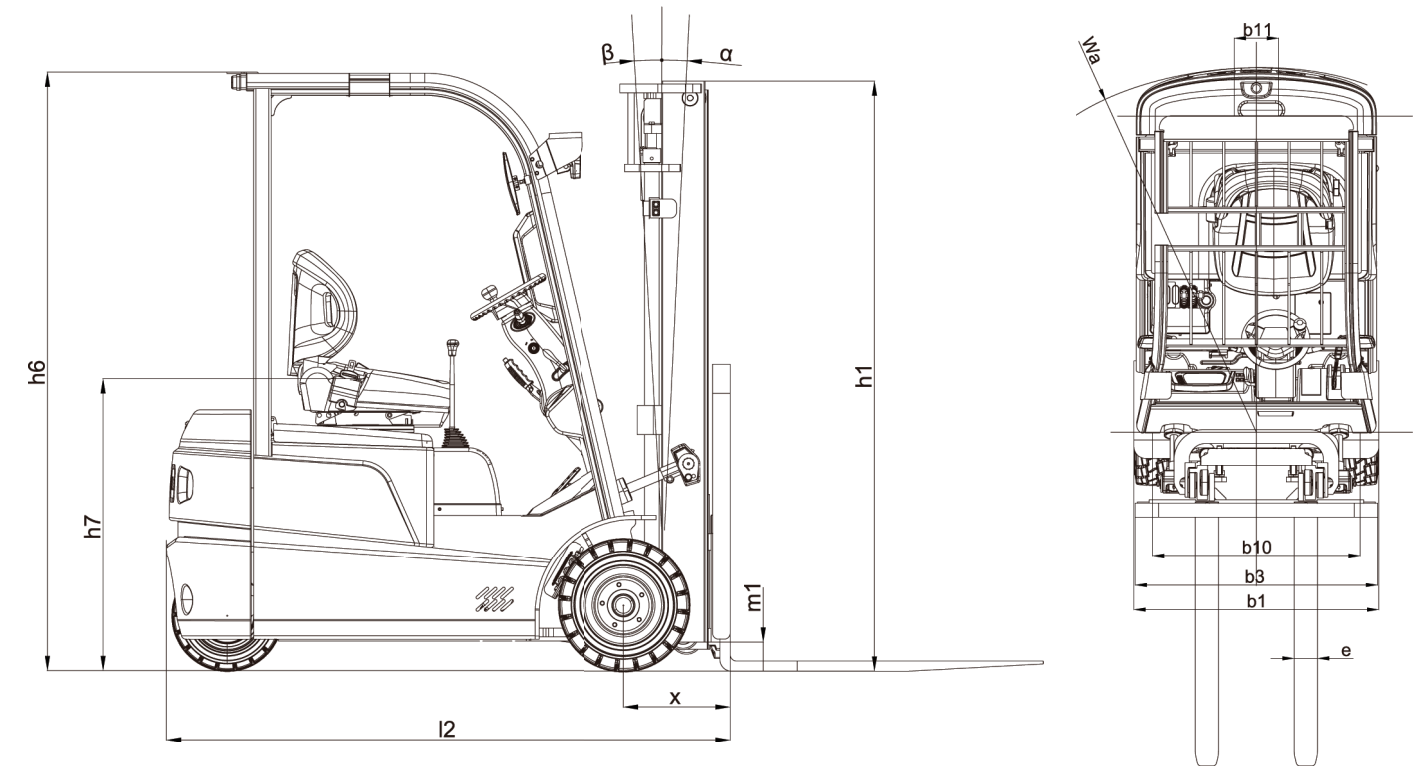


With rapid, restriction-free charging, BYD forklifts operate across multiple shifts without the need to change or replace batteries. Built using iron-phosphate technology, each forklift includes a state-of-the-art Battery Management System and the longest battery warranty in the industry. With BYD, peace of mind is assured.



## ECB16/18 SPECIFICATIONS

			ECB16	ECB18	
	Load capacity: rated load to 118" @ 24" LC	lb	3500	4000	
	Operating voltage	v	80 volts	80 volts	
Dimensions	Length to face of forks	l2	in	76.18	78.94
	Minimum turning radius	Wa	in	61.8	64.6
	Load distance, center wheel to face of forks	x	in	14.4	14.4
	Basic right-angle stack (add load and clearance)		in	76.2	78.9
	Overall width	b1	in	41.3	41.3
	Seat height	h7	in	38.8	38.8
	Overhead guard height	h6	in	80.7	80.7
	Carriage width	b3	in	40.94	40.94
	Carriage ITA Type			II	II
	Tilt range (forward/backward)		deg	5/7	5/7
	Ground clearance with load, below mast	m1	in	3.74	3.74
Performance	Travel speed (loaded/unloaded)	MPH	9.9 / 9.9	9.9 / 9.9	
	Lift speed (loaded/unloaded)	FPM	100 / 108	100 / 108	
	Lowering speed (loaded/unloaded)	FPM	105 / 98	105 / 98	
	Max gradeability (loaded/unloaded)	%	20 / 20	20 / 20	
Power System	Drive motor rating (S2=60 min)	KW	5 x 2	5 x 2	
	Lift motor rating (S3=15% ED)	KW	16	16	
	Battery capacity	KWh	21.7	21.7	
	Charging time		1.3h	1.3h	
	Battery weight	lb	1410.0	1410.0	
	Type of drive control		AC	AC	
Weight	Service weight including battery	lb	6836	7276	
	Axle load, fully loaded (front/rear)	lb	9003 / 1360	9911 / 1334	
	Axle load, unloaded (front/rear)	lb	3231 / 3602	3419 / 3855	
Tires	Wheel size, front wheel or driving wheel	Spec	18*7-8	18*7-8	
	Wheel size, rear wheel or supporting wheel	Spec	15*4.5-8	15*4.5-8	
	Track width front	b10	in	35.0	35.0
	Track width rear	b11	in	7.5	7.5



## MAST SPECIFICATIONS

Mast Specifications (in)	Fork Height	Free Lift	Collapsed Height	Extended Height	Fwd Tilt	Back Tilt	Capacity 24" LC	
							ECB16	ECB18
2-Stage Standard Mast	118	5	80	157	5°	7°	3516	4103
	130	5	85	169	5°	7°	3419	3995
	138	5	89	177	5°	7°	3355	3922
	157	5	101	196	5°	7°	3201	3750
	177	5	111	216	5°	5°	2844	3351
	197	5	123	236	5°	5°	2712	3197
2-Stage FFL Mast	118	41	80	157	5°	7°	3516	3942
	130	47	85	169	5°	7°	3419	3836
	138	51	89	177	5°	7°	3355	3768
	157	62	101	196	5°	7°	3201	3750
3-stage FFL Mast	177	42	81	216	5°	5°	2987	3377
	189	46	85	228	5°	5°	2910	3294
	197	48	87	236	5°	5°	2674	3060
	217	56	95	255	5°	5°	2535	2551
	236	66	105	275	5°	3°	1823	2485
256	74	112	295	5°	3°	1243	1552	

\*BYD reserves the right to alter and modify the design, features and technical parameters of its products at any given time and without prior notice, as products are subject to continuous development.