

BYD FORKLIFT WITH GLOBAL PRESENCE IN

6 continents

More than 30 countries

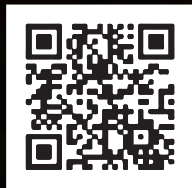
Service more than 1,000 satisfied customers

Market share of lithium forklifts exceeds 75%

GREEN LOGISTICS LEADER

STORAGE SERIES

Find out more about BYD Forklift here:



Website



Whatsapp



Version: VP 018-0101

Exclusive Distributor:
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sg.byd.com/forklift-range/



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

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.

Professional solutions for different industries



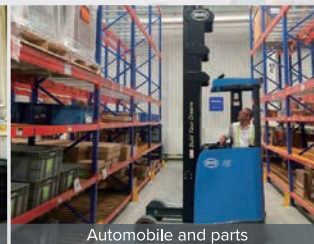
Food and beverage



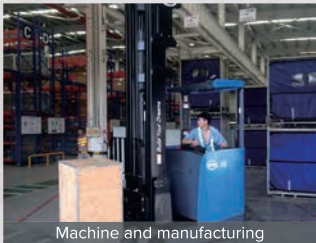
Paper making



Fodder



Automobile and parts



Machine and manufacturing



Petrochemistry



Logistics



Household appliances

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

RTR16

Load capacity: 1.6 ton
Service weight: 4,279 kg
Min. turning radius: 1,758 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
- 80V 270Ah 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

Reach truck mast specifications

RTR16/RTS15	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°
	5300	35	3271	6546	1200	2°	4°
Triple FFL mast	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°

*More mast options available upon request



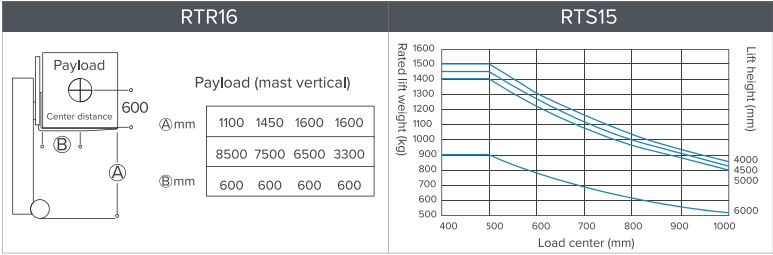
RTS15

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

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 SPECIFICATIONS

Identification	Manufacturer			BYD	BYD
	Model			RTS15	RTR16
	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
Weights	Service weight (with battery)		kg	2850	4279
	Axle Load without load (reached), drive/load side		kg	-	1909 / 2361
	Axle Load without load (retracted), drive/load side		kg	1747/ 1103	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
Wheels	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
Dimensions	Track width-rear	b11	mm	-	1170
	Tilt Range (forward / backward)	α/β	(°)	2/4	2 / 4
	Mast Lowerd Height	h1	mm	2661	3496
	Free-Lift	h2	mm	1461	2296
	Max. Lift Height	h3	mm	6000	8500
	Mast Extended Height	h4	mm	7246	9746
	Overhead Guard Height (tiller in drive position)		mm	2250	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	40 / 100 / 1070	35 / 100 / 1200
	Carriage Type (A/B) according ISO 2328			2A	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
	Brake service			-	Mech./Hydr
	Drive motor power (rated/max.)		kw	5.8	6.8 / 13.2
	Pump motor power (rated/max.)		kw	8.6	12 / 19
Electrics	Battery capacity		V/Ah	80 / 270	80 / 270
	Battery weight		kg	-	425
Others	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
Service 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
- Multifunction operating handle
- 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

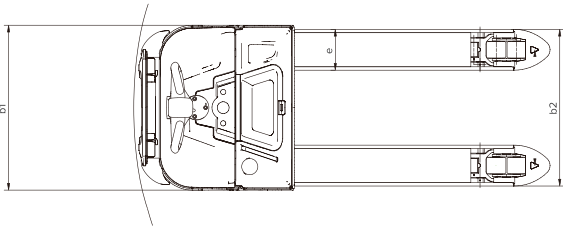
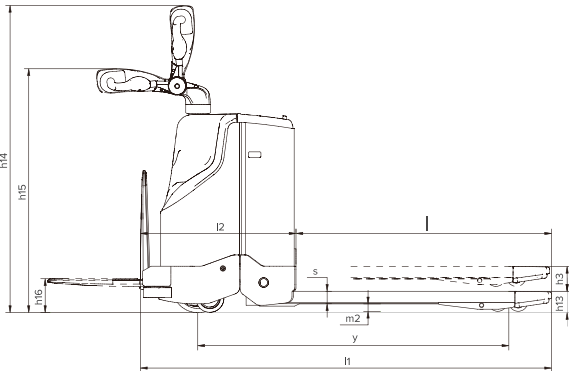
Notice: Functions and configurations will change according to different models.

Charging time (Unit: hour)

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

P20JW

Load capacity: 2.0 ton
Service 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	Polyurethane
	Tires Size, Drive Side		mm	Φ 230×75	Φ 250 × 70
	Tires Size, Load Side		mm	Φ 85×110	Φ 82 × 126
	Caster Wheels		mm	Φ 100×50	Φ 127 × 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 x 180 x 1220
	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
Performance	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	1.2
	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
Service 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.

Stacker mast specifications

S14JW / S14PS	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 (without 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
Duplex STD mast	2500	2586	1780	365	3017	3017	136	136	0	0
	2900	2986	1980	365	3417	3417	136	136	0	0
	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



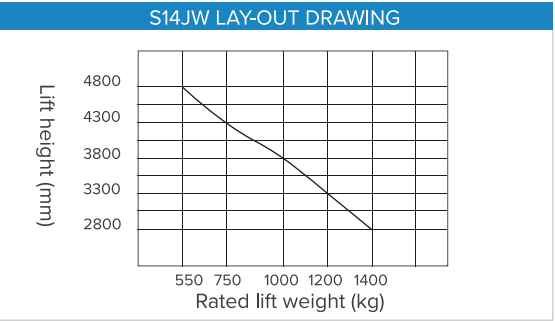
S14PS

Load capacity: 1.4 ton
Service weight: 1,280 kg
Min. turning radius: 1,512 mm
Voltage: 24 V
Battery capacity: 130 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-UP Rider
	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	Φ 230×75	Φ 230×75
	Tires Size, Load Side		mm	4×Φ 85×75	4×Φ 85×75
	Wheels Size, Caster Wheel		mm	2×Φ 125×50	2×Φ 125×50
	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
Dimensions	Free Lift Hight	h2	mm	136	136
	Lift Height	h3	mm	3200	3200
	Height of Mast, Extended	h4	mm	3717	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
Performance	Min. Turning radius		mm	1564	1512
	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**