



**CHANGE YOUR MIND
NOT YOUR BATTERY**

PALLET TRUCK

BYD PALLET TRUCK
(1400kg/1600kg/2000kg/2500kg/3000kg)

 Lithium / BYD Iron-Phosphate

Core Technology

With many years of experience and innovation, BYD has the most reliable battery technology.

BYD started as a battery manufacturer, producing its first battery in 1997. Currently, BYD batteries are widely applied to passenger vehicles, cabs, buses, coaches, logistic vehicles, sanitation trucks and other commercial vehicles. In order to accomplish that, we believe in technology innovation and rigorous production.



We are constantly refining our manufacturing, pack design and interconnection hardware to further enhance the battery safety profile. Samples from each batch must pass rigorous impact, collision, vibration and external fire testing before being released for electric vehicle integration.

BYD Iron-Phosphate technology

BYD Iron-Phosphate electric forklift batteries are a major revolution for the industry. A solution for the present and future, synonymous with savings, sustainability, cleanliness, safety and care for the environment.



The BYD battery revolution

BYD has accumulated vast experience to predict and respond to global sustainability challenges. Currently, BYD's patented BYD Iron-Phosphate batteries have been used in over 40 vehicle models, including passenger, commercial, and off-highway vehicles.

Compared to equivalent equipment powered by traditional lead acid batteries, BYD batteries require no maintenance, have a shorter charge time, a longer working life, and use up to 40% less energy. Combined with BYD's intelligent chargers, charging from empty to full can be achieved in under an hour, providing comfortably enough charge for a full eight-hour shift. Furthermore, BYD batteries can be topped-up during short breaks in operations, thus guaranteeing maximum uptime at the lowest-possible cost.

Unlike other Lithium-ion batteries featuring on competitors' forklifts, BYD designs, develops and manufactures its own batteries and chargers, meaning the entire energy ecosystem is optimised to offer maximum performance for your investment.

BYD Iron-Phosphate Battery



Savings

No battery changes, no maintenance, no distilled water or charger room, and with an energy consumption which is well below average.



Opportunity Charging

Battery can be partially topped up frequently e.g. during lunch break with no detriment to battery life or capacity.



Sustainable

No pollution from heavy metals or corrosive acid, making BYD Iron-Phosphate batteries the most ecologically friendly on the market.



Long life

Unrivalled industrial leading warranty 8 year /10000 hours thanks to active battery intelligent protection system.



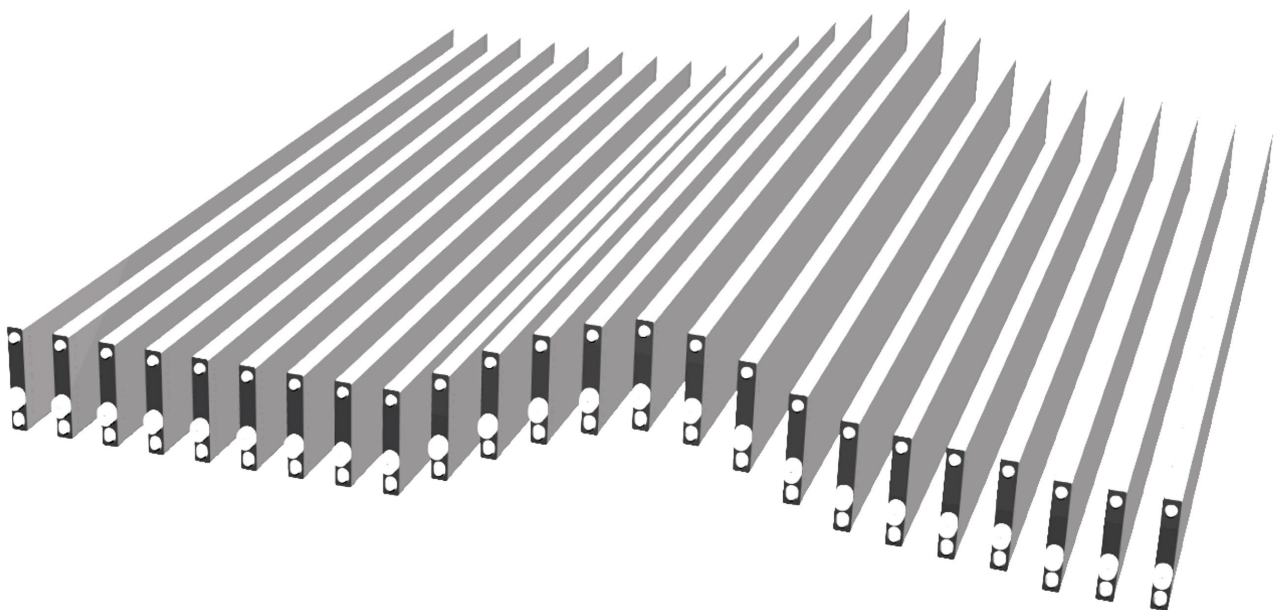
Safety

No risk of explosion or fire, no flammable gases emissions, nor harm to the health of your employees.



Fast-Charging

Charging power up to 2.4 kw , with possibility to reduce charging time down to 1 hour .



LiP14/16/20/25/30

PEDESTRIAN PALLET TRUCK

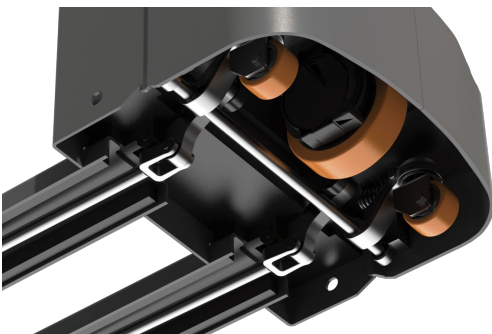


Product family design

- With the product family design and wide range of load capacity, covering from 1.4T to 3.0T, we can offer more customization options to customers while still maintaining efficiency in production. Also, the standardized components are universal within the whole series, making after-sales work convenient and efficient.

Multi-functional operation desk

- Equipped with a USB charging port, the vehicle can provide power for more devices conveniently.
- The dashboard displays battery level, driving speed and trouble codes, allowing the driver to know the basic real-time condition of the vehicle clearly and conveniently.
- The emergency stop switch can be used to stop the vehicle when the brake fails, improving safety.
- For the way to start the vehicle, there are options of a key switch, combination lock a swipe card for customization.



5 points suspension chassis

- The whole series is equipped with a spring damping system and 5 wheels, including 2 symmetrical balance wheels, providing a smooth, steady, and safe driving.

User-friendly operation

- The minimum turning radius is 1413mm, small enough to allow the vehicle to turn and work in a tight space, making the operation user-friendly.

LiP20S/25S/30S

ELECTRIC RIDE-ON PALLET TRUCK



Height- adjustable steering handle

- LiP20P series is equipped with height- adjustable steering handle. The height can be adjusted to meet different drivers' operating needs and habits, providing a smooth, safe and easy drive.

LiP20P/25P

ELECTRIC STAND-ON PALLET TRUCK

Product family design

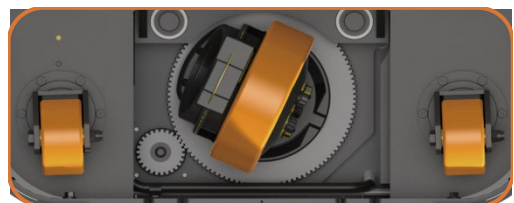
- With the product family design and wide range of load capacity, covering 2.0T, 2.5T and 3.0T, we can offer more customization options to customers while still maintaining efficiency in production. Also, the standardized components are universal within the whole series, making after-sales work convenient and efficient.

Multi-functional operation desk

- Equipped with a USB charging port, the vehicle can provide power for more devices conveniently.
- The dashboard displays battery level, driving speed and trouble codes, allowing the driver to know the basic real-time condition of the vehicle clearly and conveniently.
- The emergency stop switch can be used to stop the vehicle when the brake fails, improving safety.
- For the way to start the vehicle, there are options of a key switch, combination lock a swipe card for customization.

User-friendly operation

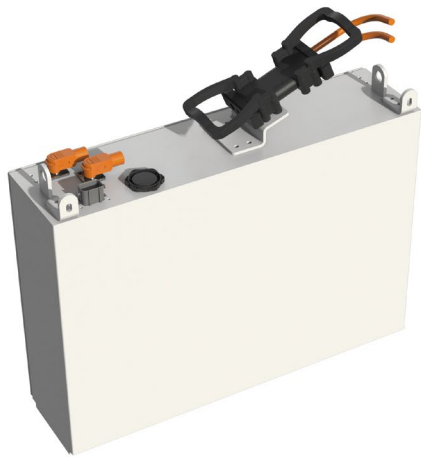
- The minimum turning radius is 1580mm(LiP20S) or 1890mm(LiP20P), small enough to allow the vehicle to turn and work in a tight space, making the operation user-friendly.



5 points suspension chassis:

- The whole series is equipped with a spring damping system and 5 wheels, including 2 symmetrical balance wheels, providing a smooth, steady, and safe driving.

OUTSATNDING PERFORMANCE OF BLADE BATTERY

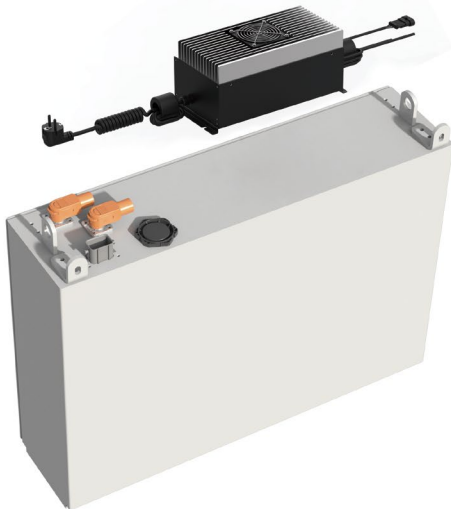


Adaptability

- 60 °C Discharge capacity retention >99%
PACK-20 °C Discharge capacity retention>90%
Battery PACK with heating function ,makes the professional solution possibility for cold store .

Cyclability & Safety

- 45 °C cycle >2000 times
room temperature cycle >4000 times
long warranty with cell -penetration and IP67 protection.



Various optial

- 65/130/216/260Ah, varies of capacity matches different work condition request.
216/260Ah , optional 200A high power charger equipped with standard on-board charger.
Note:130Ah and 260Ah will be avaliabe in May.

LiP14/16/18 Pedestrian pallet truck

Identification	1.1	Manufacturer			BYD			
	1.2	Model			LIP14	LIP16	LIP18	LIP20
	1.3	Drive			Electric			
	1.4	Operator type			Pedestrian			
	1.5	Load capacity	Q	kg	1400	1600	1800	2000
	1.6	Load center	C	mm	600			
	1.7	Load distance, center of support arm wheel to face of forks	X	mm	956(lowered)/909(lifted)			
	1.8	Wheelbase	y	mm	1315(lowered)/1270(lifted)			
Weights	2.1	Service weight including battery		kg	410		420	
Wheels, Chassis	3.1	Wheel type			PU			
	3.2	Wheel size, front		mm	Φ230×75			
	3.3	Wheel size, rear		mm	ø85×45 ø85×70		Φ85×70 Φ85×110	
	3.4	Additional wheels		mm	Φ100×50			
	3.5	Wheels, number front rear (x=driven wheels)			1X+2/2 (4)			
	3.6	Track width, front	b10	mm	500			
	3.7	Track width, rear	b11	mm	370			
Dimensions	4.1	Lift height	h3	mm	120			
	4.2	Height of tiller in drive position, min/max	h15/h14	mm	750/1235			
	4.5	Lowered height	h13	mm	85			
	4.6	Overall length	l1	mm	1675			
	4.7	Length to the face of forks	l2	mm	525			
	4.8	Overall width	b1	mm	720			
	4.9	Fork dimensions	s/e/l	mm	55×150×1150		55×180×1150	
	4.10	Width over forks	b2	mm	520		550	
	4.11	Ground clearance, center of wheelbase	m2	mm	30			
		Aisle width for pallets 1000×1200 lengthways	Ast	mm	2242			
	4.12	Aisle width for pallets 800×1200 lengthways	Ast	mm	2130			
	4.13	Turing radius	Wa	mm	1435			
Performance Data	5.1	Travel speed, with/without load		km/h	6/6			
	5.2	Lift speed, with/without load		mm/s	40/50			8/20
	5.3	Lowering speed, with/without load		mm/s	50/40			
	5.4	Max. gradeability, with/without load		%	10/20		9/20	
	5.5	Service brake			Electromagnetic			
Electric Motor	6.1	Drive motor rating S2 60 min		kw	1.2			
	6.2	Drive motor control			AC			
	6.3	Lift motor rating at S3 15%		kw	1.2			
	6.6	Battery voltage/nominal capacity K5		V/Ah	24/130 (260)			
	6.7	Battery weight		kg	58/95			
Others	7.1	Sound level at the driver's ear		dB(A)	≤75			

*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.

LiP25/30 Pedestrian pallet truck

Identification	1.1	Manufacturer			BYD	
	1.2	Model			LIP25	LIP30
	1.3	Drive			Electric	
	1.4	Operator type			Pedestrian	
	1.5	Load capacity	Q	kg	2500	3000
	1.6	Load center	C	mm	600	
	1.7	Load distance, center of support arm wheel to face of forks	X	mm	956(lowered)/909(lifted)	
	1.8	Wheelbase	y	mm	365(lowered)/1320(lifted)	
Weights	2.1	Service weight including battery		kg	485	
Wheels, Chassis	3.1	Wheel type			PU	
	3.2	Wheel size, front		mm	Φ230×75	
	3.3	Wheel size, rear		mm	Φ85x70	
	3.4	Additional wheels		mm	Φ100×50	
	3.5	Wheels, number front rear (x=driven wheels)			1X+2/4	
	3.6	Track width, front	b10	mm	500	
	3.7	Track width, rear	b11	mm	370	
Dimensions	4.1	Lift height	h3	mm	120	
	4.2	Height of tiller in drive position, min/max	h15/h14	mm	750/1235	
	4.5	Lowered height	h13	mm	85	
	4.6	Overall length	l1	mm	1725	
	4.7	Length to the face of forks	l2	mm	575	
	4.8	Overall width	b1	mm	724	
	4.9	Fork dimensions	s/e/l	mm	55×180×1150	
	4.10	Width over forks	b2	mm	550	
	4.11	Ground clearance, center of wheelbase	m2	mm	30	
		Aisle width for pallets 1000×1200 lengthways	Ast	mm	2292	
	4.12	Aisle width for pallets 800×1200 lengthways	Ast	mm	2180	
	4.13	Turing radius	Wa	mm	1485	
Performance Data	5.1	Travel speed, with/without load		km/h	6/6	
	5.2	Lift speed, with/without load		mm/s	50/70	40/70
	5.3	Lowering speed, with/without load		mm/s	50/40	60/40
	5.4	Max. gradeability, with/without load		%	8/20	6/20
	5.5	Service brake			Electromagnetic	
Electric Motor	6.1	Drive motor rating S2 60 min		kw	1.8	
	6.2	Drive motor control			AC	
	6.3	Lift motor rating at S3 15%		kw	2.2	
	6.6	Battery voltage/nominal capacity K5		V/Ah	24/130 (260)	
	6.7	Battery weight		kg	58/95	
Others	7.1	Sound level at the driver's ear		dB(A)	≤75	

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LiP20P/25P Electric stand-on pallet truck

Identification	1.1	Manufacturer			BYD	BYD
	1.2	Model			LiP20P	LiP25P
	1.3	Drive			Electric	
	1.4	Load capacity			Stand-on	
	1.5	Load capacity	Q	kg	2000	2500
	1.6	Load center	C	mm	600	
	1.8	Load distance, center of support arm wheel to face of forks	X	mm	850/935	
	1.9	Wheelbase	y	mm	1240/1320	
Weights	2.1	Service weight including battery		kg	875	895
	2.2	Axle load, with load, front/rear		kg	1216/1659	1351/2044
	2.3	Axle load, without load, front/rear		kg	745/130	762/133
Wheels	3.1	Wheel type			PU	
	3.2	Wheel size, front		mm	Φ230×75	Φ254×102
	3.3	Wheel size, rear		mm	Φ85x110/Φ85x75	Φ85x75
	3.4	Additional wheels		mm	Φ100×50	
	3.5	Wheels, number front rear (x=driven wheels)			1×+2/2(4)	1×+2(4)
	3.6	Track width, front	b10	mm	510	
	3.7	Track width, rear	b11	mm	370	
Basic Dimensions	4.4	Lift height	h3	mm	120	
	4.9	Height of tiller in drive position, min/max		mm	1290/1350	
	4.15	Lowered height	h13	mm	85	
	4.19	Overall length	l1	mm	2215	
	4.20	Length to the face of forks	l2	mm	1065	
	4.21.1	Overall width	b1	mm	732	
	4.22	Fork dimensions	s/e/l	mm	55×180×1150	
	4.25	Width over forks	b5	mm	640/550	
	4.32	Ground clearance centre of wheelbase	m2	mm	30	
	4.34.1	Aisle width for pallets 1000 × 1200 crossways			2705	
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2620	
	4.35	Turning radius	Wa	mm	1890	
Performance Data	5.1	Travel speed, with/without load		km/h	9.5/12	
	5.2	Lift speed, with/without load		mm/s	40/50	50/70
	5.3	Lowering speed, with/without load		mm/s	50/40	50/50
	5.8	Max. gradeability, with/without load		%	8/15	6/15
	5.10	Service brake			Mechanic	
Motor	6.1	Drive motor rating S2 60 min		kw	1.9	2.8
	6.2	Lift motor rating at S3 15%		kw	1.2	2.2
	6.4	Battery voltage/nominal capacity K5		V/Ah	24/65&130&195&260	
	6.5	Battery weight		kg	85/90	
Others	10.7	Sound level at the driver's ear		dB(A)	<75	

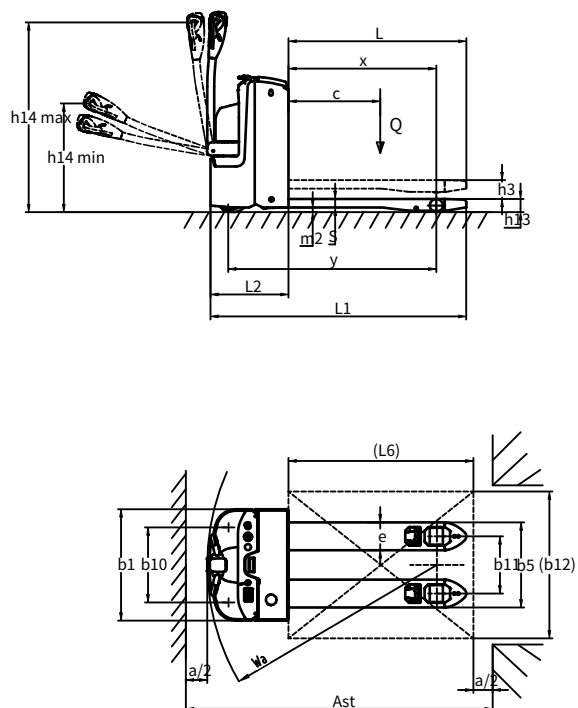
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LiP20S/25S/30S Electric stand-on pallet truck

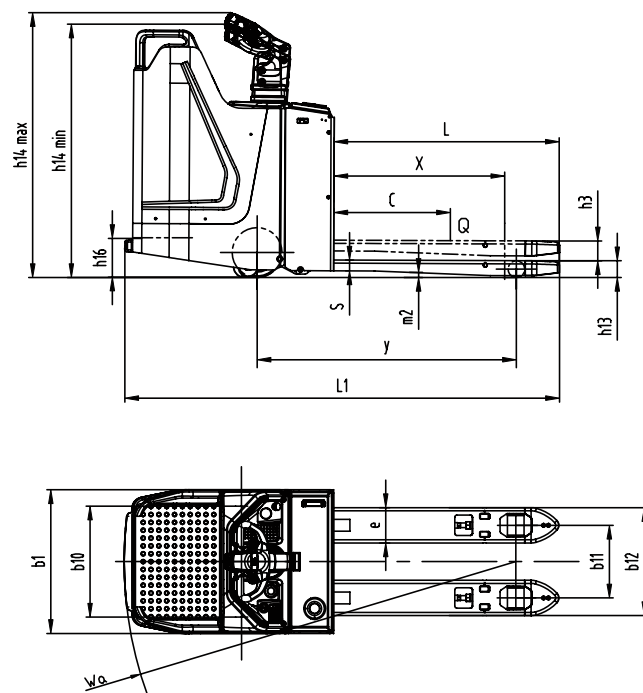
Identification	1.1	Manufacturer			BYD	BYD	BYD
	1.2	Model			LiP20E/LiP20S	LiP25E/LiP25S	LiP30E/LiP30S
	1.3	Drive			Electric		
	1.4	Load capacity			Stand-on		
	1.5	Load capacity	Q	kg	2000	2500	3000
	1.6	Load center	C	mm	600		
	1.8	Load distance, center of support arm wheel to face of forks	X	mm	850/935		
	1.9	Wheelbase	y	mm	1240/1320		
Weights	2.1	Service weight including battery		kg	650	725	725
	2.2	Axle load, with load, front/rear		kg	1150/1500	1161/2064	1280/2445
	2.3	Axle load, without load, front/rear		kg	520/130	570/155	570/155
Wheels	3.1	Wheel type			PU		
	3.2	Wheel size, front		mm	Φ230×75	Φ254×102	
	3.3	Wheel size, rear		mm	Φ85x110/Φ85x75	Φ85x75	
	3.4	Additional wheels		mm	Φ100×50		
	3.5	Wheels, number front rear (x=driven wheels)			Φ100×50	1×+2(4)	
	3.6	Track width, front	b10	mm	510		
	3.7	Track width, rear	b11	mm	370		
Basic Dimensions	4.4	Lift height	h3	mm	120		
	4.9	Height of tiller in drive position, min/max		mm	1092/1407		
	4.15	Lowered height	h13	mm	85		
	4.19	Overall length	l1	mm	1795/2265		
	4.20	Length to the face of forks	l2	mm	645		
	4.21.1	Overall width	b1	mm	732		
	4.22	Fork dimensions	s/e/l	mm	55×180×1150		
	4.25	Width over forks	b5	mm	640/550		
	4.32	Ground clearance centre of wheelbase	m2	mm	30		
	4.34.1	Aisle width for pallets 1000 × 1200 crossways			2345		
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2255		
	4.35	Turning radius	Wa	mm	1525		
Performance Data	5.1	Travel speed, with/without load		km/h	6/6 9.5/12	6/6 9.5/12	6/6 8/12
	5.2	Lift speed, with/without load		mm/s	40/50	50/70	
	5.3	Lowering speed, with/without load		mm/s	50/40	50/50	
	5.8	Max. gradeability, with/without load		%	8/15 8/15	8/15 8/15	8/15 6/15
	5.10	Service brake			Electromagnetic		
Motor	6.1	Drive motor rating S2 60 min		kw	1.3 1.9	1.9 2.8	
	6.2	Lift motor rating at S3 15%		kw	1.2	2.2	
	6.4	Battery voltage/nominal capacity K5		V/Ah	24/65&130&195&260		
	6.5	Battery weight		kg	85/90		
Others	10.7	Sound level at the driver's ear		dB(A)	<75		

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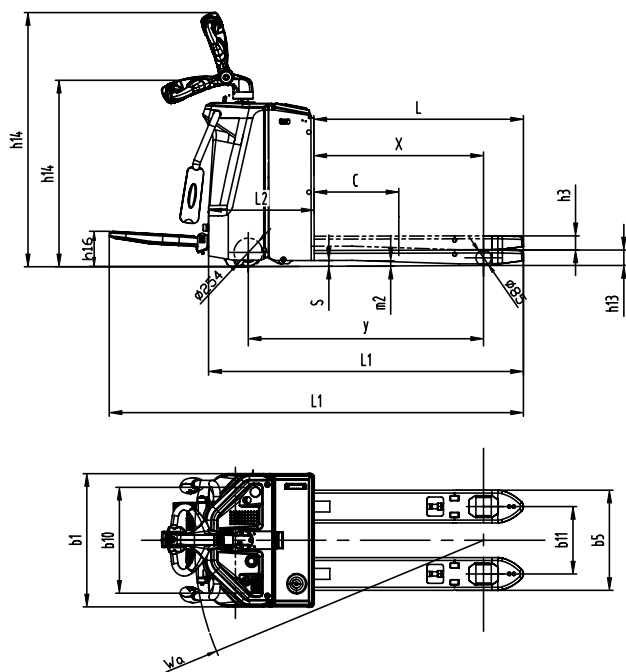
LiP20-Pedestrian pallet truck



LiP20P-Electric ride-on pallet truck



LiP25S-Electric ride-on pallet truck





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BYD forklifts conform to the European Safety Requirements

Printed in Feb 2025