



RPL Series

LI-ION
TECHNOLOGY

Electric Pallet Truck 2.0/2.5/3.0T

- Lithium-ion technology
- Robust safety arms
- More precise working mechanism
- Increase lifetime of movable parts
- Strengthened loading wheel assembly

EP EQUIPMENT CO.,LTD
www.ep-ep.com



FEATURE

■ Lithium-ion technology

The RPL series is equipped with 24V/210Ah EP Li-ion battery that supports opportunity charging. Operators can charge the truck at preferable time during the day without disrupting working schedules.



■ Robust safety arms

The safety arms of the RPL series are produced from strengthened steel to ensure a long lifetime of the trucks structure.



■ More precise working mechanism

Using slider motion structure and one-time full-axis processing technology to ensure higher working accuracy.



■ Increase lifetime of movable parts

Adopting special pin material, heat treatment process and customized sleeve to make key movable parts more durable.



■ Strengthened loading wheel assembly

RPL251 and RPL301 come with strengthened frames and updated links of the loading wheels to improve wear resistance and meet heavy duty applications.



Electric Pallet Truck 2.0T

RPL201

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL201 (Lead Acid battery)	RPL201 (Lead Acid battery)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
Service weight	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	986
	1.9	Wheelbase	y	mm	1414	1484
Tyres/chassis	2.1	Service weight		kg	730	730
	2.2	Axle loading, laden front/rear		kg	1020 / 1610	1020 / 1610
	2.3	Axle loading, unladen front/rear		kg	500 / 130	500 / 130
	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
Dimensions	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2	1 x +2 / 4 / 1 x + 2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1966	2036
	4.20	Length to face of forks	l2	mm	825	825
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1220
Performance data	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2608	2608
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2465	2465
	4.35	Turning radius	Wa	mm	1806	1826
Electric-engine	5.1	Travel speed, laden/unladen		km/h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	8 / 16	8 / 16
Addition data	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 210	24 / 210
	6.5	Battery weight		kg	200	200
	8.1	Type of drive control			DC	DC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

Electric Pallet Truck 2.0T

RPL201H

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL201H (Lead Acid battery)	RPL201H (Lead Acid battery)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	986
	1.9	Wheelbase	y	mm	1414	1484
Service weight	2.1	Service weight		kg	730	730
	2.2	Axle loading, laden front/rear		kg	1020 / 1610	1020 / 1610
	2.3	Axle loading, unladen front/rear		kg	500 / 130	500 / 130
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2	1 x +2 / 4 / 1 x + 2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1966	2036
	4.20	Length to face of forks	l2	mm	825	825
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1220
	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2608	2608
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2465	2465
Performance data	4.35	Turning radius	Wa	mm	1806	1826
	5.1	Travel speed, laden/unladen		km/h	9.0 / 12.0	9.0 / 12.0
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	8 / 16	8 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	2.5	2.5
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 210	24 / 210
	6.5	Battery weight		kg	200	200
Addition data	8.1	Type of drive control			DC	DC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

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Electric Pallet Truck 2.0T

RPL201

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL201 (Lithium battery)	RPL201 (Lithium battery)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	986
	1.9	Wheelbase	y	mm	1414	1484
Service weight	2.1	Service weight		kg	620	620
	2.2	Axle loading, laden front/rear		kg	1020 / 1610	1020 / 1610
	2.3	Axle loading, unladen front/rear		kg	500 / 130	500 / 130
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2	1 x +2 / 4 / 1 x + 2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1866	1936
	4.20	Length to face of forks	l2	mm	725	725
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1220
	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2506	2526
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2363	2374
Performance data	4.35	Turning radius	Wa	mm	1706	1726
	5.1	Travel speed, laden/unladen		km/h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	8 / 16	8 / 16
Electric-engine	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 160AH	24 / 160AH
	6.5	Battery weight		kg	50	50
Addition data	8.1	Type of drive control			DC	DC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

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Electric Pallet Truck 2.0T

RPL201H

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL201H (Lithium battery)	RPL201H (Lithium battery)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2000	2000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	986
	1.9	Wheelbase	y	mm	1414	1484
Service weight	2.1	Service weight		kg	620	620
	2.2	Axle loading, laden front/rear		kg	1020 / 1610	1020 / 1610
	2.3	Axle loading, unladen front/rear		kg	500 / 130	500 / 130
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x +2 / 2	1 x +2 / 4 / 1 x +2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 515	370 / 515
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1866	1936
	4.20	Length to face of forks	l2	mm	725	725
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 170 x 1150	55 x 170 x 1220
	4.25	Distance between fork-arms	b5	mm	540 / 685	540 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2506	2526
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2363	2374
Performance data	4.35	Turning radius	Wa	mm	1706	1726
	5.1	Travel speed, laden/unladen		km/h	9.0 / 12.0	9.0 / 12.0
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	8 / 16	8 / 16
Electric-engine	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	2.5	2.5
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 160	24 / 160
	6.5	Battery weight		kg	50	50
Addition data	8.1	Type of drive control			DC	DC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

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Electric Pallet Truck 2.5T

RPL251

Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL251 (Lithium battery)	RPL251 (Lead Acid battery)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	2500	2500
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	916
	1.9	Wheelbase	y	mm	1531	1531
	2.1	Service weight		kg	802	875
Service weight	2.2	Axle loading, laden front/rear		kg	1120 / 1670	1120 / 1670
	2.3	Axle loading, unladen front/rear		kg	650 / 140	650 / 140
	3.1	Tyre type			Polyurethane	Polyurethane
Tyres/chassis	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x +2 / 2	1 x +2 / 4 / 1 x +2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 495	370 / 495
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	824	824
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 190 x 1150	55 x 190 x 1150
	4.25	Distance between fork-arms	b5	mm	560 / 685	560 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2590	2590
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2447	2447
Performance data	4.35	Turning radius	Wa	mm	1790	1790
	5.1	Travel speed, laden/unladen		km/h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	6 / 16	6 / 16
Electric-engine	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205	24 / 280
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

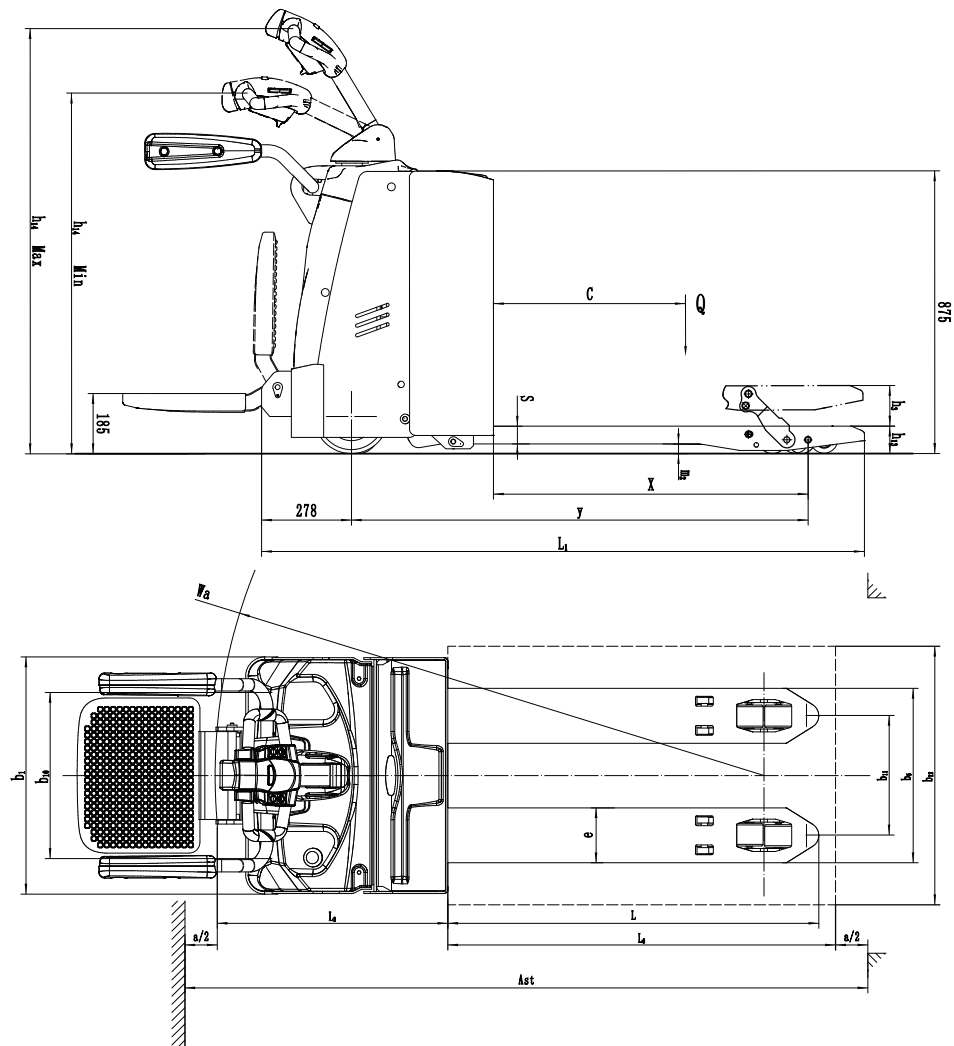
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Electric Pallet Truck 3.0T

RPL301

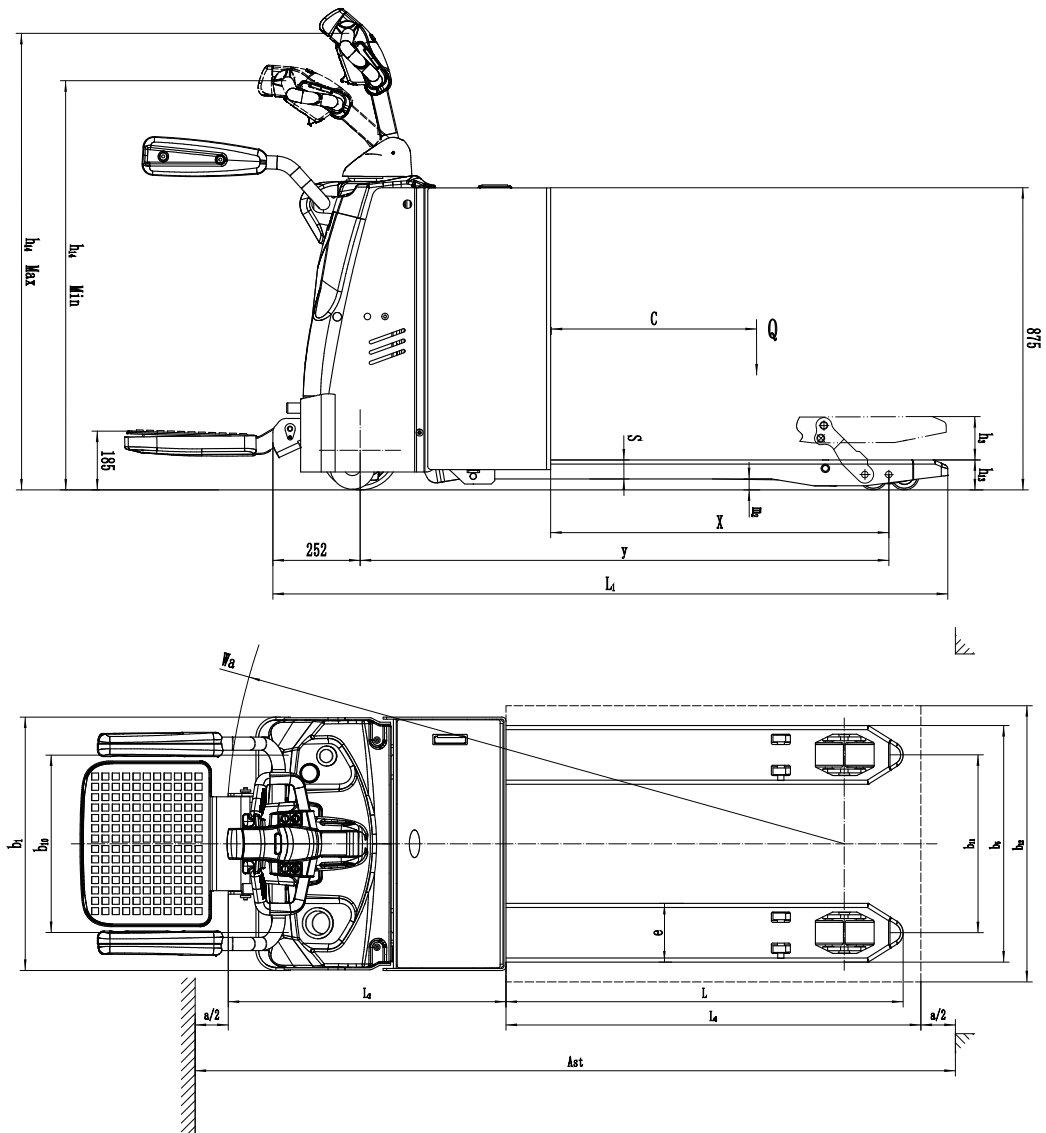
Distinguishing mark	1.1	Manufacturer			EP	EP
	1.2	Model designation			RPL301 (Lithium battery)	RPL301 (Lead Acid battery)
	1.3	Drive			Electric	Electric
	1.4	Operator type			Standing	Standing
	1.5	Load capacity	Q	kg	3000	3000
	1.6	Load center distance	c	mm	600	600
	1.8	Load distance, centre of drive axle to fork	x	mm	916	916
	1.9	Wheelbase	y	mm	1531	1531
	Service weight	2.1	Service weight		kg	802
2.2		Axle loading, laden front/rear		kg	1370 / 2420	1370 / 2420
2.3		Axle loading, unladen front/rear		kg	650 / 140	650 / 140
Tyres/chassis	3.1	Tyre type			Polyurethane	Polyurethane
	3.2.1	Tyre size, front		mm	Φ85x70 / Φ83x115	Φ85x70 / Φ83x115
	3.3.1	Tyre size, rear		mm	Φ230x75	Φ230x75
	3.4	Additional wheels (castor wheels)		mm	Φ130x55	Φ130x55
	3.5	Wheels, number front/rear (x=drive wheels)		mm	1 x +2 / 4 / 1 x + 2 / 2	1 x +2 / 4 / 1 x + 2 / 2
	3.6.1	Tread width, front	b10	mm	510	510
	3.7.1	Tread width, rear	b11	mm	370 / 495	370 / 495
Dimensions	4.4	Lift height	h3	mm	120	120
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1075 / 1288	1075 / 1288
	4.15	Lowered height	h13	mm	85	85
	4.19	Overall length	l1	mm	1954	1954
	4.20	Length to face of forks	l2	mm	824	824
	4.21	Overall width	b1/b2	mm	734	734
	4.22	Fork dimensions	s/e/l	mm	55 x 190 x 1150	55 x 190 x 1150
	4.25	Distance between fork-arms	b5	mm	560 / 685	560 / 685
	4.32	Ground clearance, center of wheelbase	m2	mm	30	30
	4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2590	2590
	4.34.2	Aisle width for pallets 800×1200 crossways	Ast	mm	2447	2447
	4.35	Turning radius	Wa	mm	1790	1790
Performance data	5.1	Travel speed, laden/unladen		km/h	5.5 / 6	5.5 / 6
	5.2	Lifting speed, laden/unladen		m/s	0.050 / 0.054	0.050 / 0.054
	5.3	Lowering speed, laden/unladen		m/s	0.067 / 0.054	0.067 / 0.054
	5.8	Max. gradeability, laden/unladen		%	6 / 16	6 / 16
	5.10	Service brake			Electromagnetic	Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	1.6	1.6
	6.2	Lift motor rating at S3 15%		kW	2.2	2.2
	6.4	Battery voltage/nominal capacity		V/Ah	24 / 205	24 /280
	6.5	Battery weight		kg	62	255
Addition data	8.1	Type of drive control			AC	AC
	10.5	Steering design			Electronic	Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	74	74

If there are improvements of technical parameters or configurations, no further notice will be given.
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Option

No.	Optional items	RPL201/RPL201H
1.1	Fork length	●1150/1220○850/1000/1300/1450/1600/1800 /2000/2200/2400
1.2	Fork width	●540/685○600/725/790/840/940/1000 /1050/1100/1200
1.3	Fork lowered height	●85
1.4	Fork carriage width	●740
1.5	Fork carriage height	○1220mm (48in) ○1520mm (60in)
2.1	Load wheel type	●Double○Single
2.2	Load wheel material	●PU
2.3	Drive wheel material	●PU○Trace PU○Rubber
2.7	Battery capacity	●205Ah●210Ah (Lead Acid battery) ○280Ah/345Ah (Lead Acid battery)
2.8	Charger	●24V-100A External ●24V-30AExternal (Lead Acid battery) ○24V-50AExternal (Lead Acid battery)
2.9	Battery indicator	●Yueli Hourmeter (With time) ●Yaneng Hourmeter (With time) (Lead Acid battery)
3.3	Castor wheels	●Yes and not customized
3.4	Water auto-filling system	○Yes and not customized
4.1	Battery side pull function	○Yes and not customized
4.2	Cold storage	○Yes and not customized
4.4	Weighting system with fork	○Yes and not customized
Note: ●Standard ○ Optional - Inconformity		



Option

No.	Optional items	RPL215/RPL301
1.1	Fork length	●1150/1220○850/1000/1300/1450/1600/1800 /2000/2200/2400
1.2	Fork width	●560/685○830/880/980/1040/1090/1140/1240
1.3	Fork lowered height	●85
1.4	Fork carriage width	750
1.5	Fork carriage height	○1220mm (48in) ○1520mm (60in)
2.1	Load wheel type	●Double○Single
2.2	Load wheel material	●PU
2.3	Drive wheel material	●PU○Trace PU○Rubber
2.7	Battery capacity	●205Ah (Li-Ion truck) ●280Ah (lead-acid truck) ○210Ah/345Ah (lead-acid truck)
2.8	Charger	●24V-100Aexternal charger (205Ah) ●24V-30Aexternal charger (210/280Ah) ○24V-50Aexternal charger (345Ah)
2.9	Battery indicator	●With time
3.3	Castor wheels	●Castor wheels
3.4	Water auto-filling system	○Water auto-filling system
4.1	Battery side pull function	○Battery side pull function (only for lead-acid truck)
Note: ●Standard ○ Optional - Inconformity		

Load Capability Chart

Fork length (mm)	Load capacity (kg)		
	RPL201/RPL201H	RPL251	RPL301
850	2000KG	2500KG	3000KG
1000			
1150			
1220			
1300			
1450			
1600			1800KG
1800			
2000	1600KG		
2200			
2400			

Application scenario

