



F Series Lithium Battery Forklift Truck

CPD30/35-FS/FMZ/FH

TOUGH WORLD.TOUGH EQUIPMENT.



LG-PB-CPD30/35-FS/FMZ/FH -052024-EN

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Media Platform



TOUGH WORLD.TOUGH EQUIPMENT.

MAIN FEATURES

Unique appearance,Maximum manoeuvrable

- The new family platform design, powerfull apparence, Modern design present fashion industry concept;
- Closed automotive grade instrument platform, beautiful and elegant;
- Special-shaped steel overhead guard for easy cab installation.



Precise controlling ,comfortable opration

- The cockpit adopts ergonomic simulation design to bring the driver the driving experience of human-vehicle integration;
- Electro-hydraulic transmission system optimization and matching, acceleration is more agile, hydraulic micro-motion performance is better, more accurate control;
- Transmission, hydraulic, structure and covering parts adopt vibration and noise reduction design, and the vehicle noise is less than 65dB, reaching the industry-leading level;
- The semi-surround seat has good shock absorption performance and alleviates driving fatigue.



SMART

Strong power, Efficient and flexible

- High speed permanent magnet synchronous motor with large speed ratio transmission, acceleration response fast and excellent gradeability;
- Using large angle steering axle, small turning radius, more flexible operation;
- Steering axle hinge point is fixed in high position, good lateral stability, more comfortable driving.



Advanced platform, efficient and convenient

- A new generation of lithium electric forklift special platform, lower center of gravity, more stable driving;
- The side removeable lithium battery can achieve 3 minutes of quick exchange to meet the continuous operation of multiple shifts;
- The charging port is arranged on the side for easy charging.



RELIABLE



Reliable platform,oprte more confidently

- The frame adopts layered layout design, the structural strength is 30% higher than the traditional model, and can adapt to heavy load application;
- The integrated casting steering axle used tapered roller bearings, which have higher strength and can easily cope with heavy and bumpy application;
- Vehicle protection level IPX4 core three electric protection level IP54 or above, meet all-weather operation;
- Truck uses LED lights, high brightness, service life of 20,000 hours

WORRY FREE



Safe and intelligent, technological escort

- Equipped with a 4.3-inch intelligent LCD instrument, runtime display of vehicle status, three driving modes to select, so to meet the requirements of different working conditions;
- It is equipped with a steering wheel intelligent start system, which provides convenient operation when you hold it.

High efficiency and energy saving, low cost

- Permanent magnet synchronous system, higher efficiency, energy consumption is reduced by 15%-20%, lower using costs;
- Braking regenerative energy recovery system, longer battery work time;
- The charger can be setup to charge during the low electricity price period, charging cost reduced by 50%;
- Wide base tires, good wear resistance, long service life.



LOW TCO

Robust and durable,High residual

- High-strength steel, high residual value, significant return on investment;
- The cover is scratch-proof and not easily damaged;
- Automotive-grade instrument panel has good durability;
- The headlight is protected by a metal guard and remains undamaged.



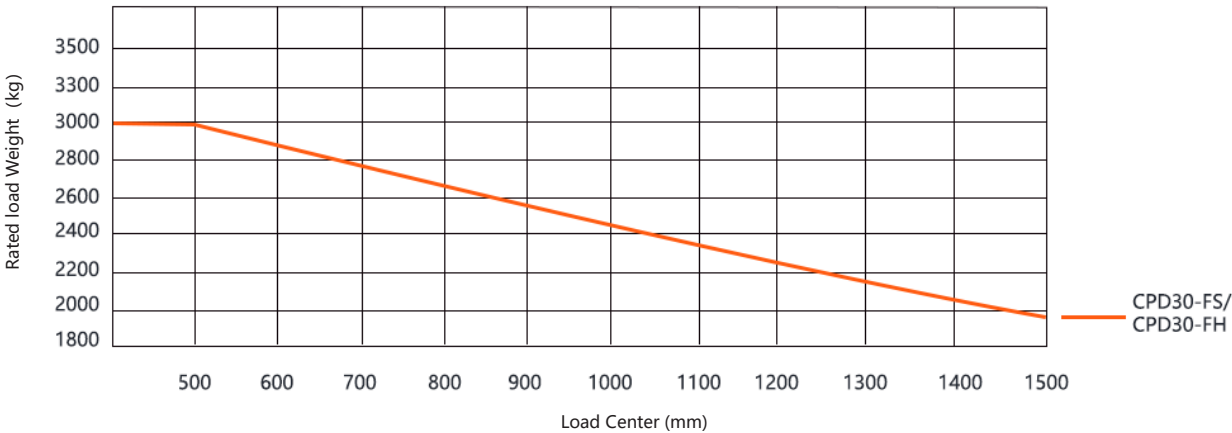
SAVE MONEY

Simple maintenance with low maintenance cost

- Maintenance-free lithium battery, service life of more than 5000 cycles;
 - Controller, pump motor, hydraulic tank and other same layers layout, open the hood can be maintained;
 - The lubrication points are arranged in the easy maintenance area, and the maintenance is simple;
 - The dust-proof filter design of the charger can adapt to the operation of the dust environment.
- Charger dust proof filter design, can adapt to dust environment operation.

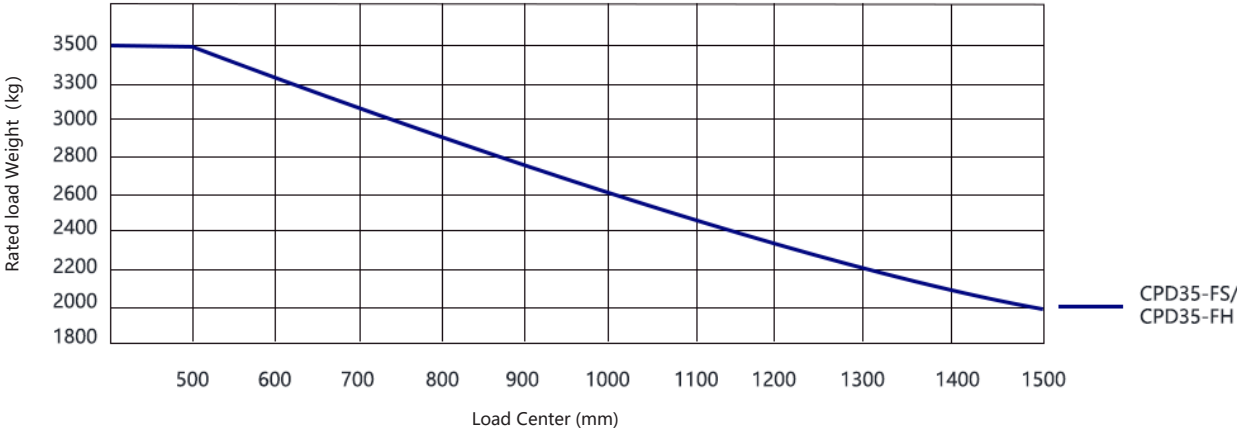
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks					
					With Standard Forks		With Sideshifter							
					mm			°	kg				kg	
					30-FS/FH				30-FS	30-FH	30-FS	30-FH	30-FS	30-FH
Standard 2-Stage	3000	2105	100	6/12	3000	3000	2750	2750	4450	4510				
	3300	2255	100	6/12	3000	3000	2750	2750	4477	4537				
	3500	2355	100	6/12	2750	2750	2600	2600	4495	4555				
	4000	2655	100	6/6	2600	2600	2500	2500	4587	4647				
	4500	2905	100	6/6	2400	2400	2300	2300	4632	4692				
	5000	3155	100	6/6	2200	2200	2100	2100	4677	4737				
	5500	3455	100	6/6	2100	2100	2000	2000	4777	4837				
	6000	3705	100	6/6	2000	2000	1900	1900	4824	4884				
Full Free 2-Stage	2700	1955	763	6/12	3000	3000	2250	2250	4449	4509				
	3000	2105	913	6/12	3000	3000	2750	2750	4477	4537				
	3300	2255	1063	6/12	3000	3000	2750	2750	4505	4565				
	3500	2355	1163	6/12	2750	2750	2600	2600	4524	4584				
Full Free 3-Stage	3600	1850	658	6/6	2650	2650	2450	2450	4617	4677				
	4000	1985	793	6/6	2450	2450	2250	2250	4654	4714				
	4500	2150	958	6/6	2250	2250	2050	2050	4700	4760				
	4700	2220	1028	6/6	2100	2100	1950	1950	4719	4779				
	5000	2320	1128	6/6	1900	1900	1600	1600	4746	4806				
	5500	2570	1378	6/6	1700	1700	1450	1450	4928	4988				
	6000	2820	1628	6/6	1500	1500	1300	1300	4994	5054				



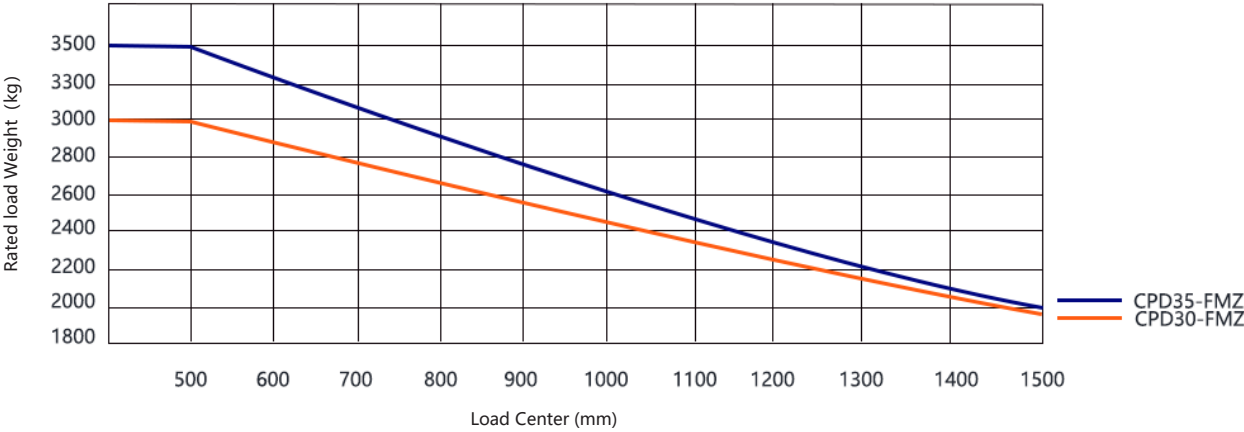
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)	Free Lift with Load Backrest	Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks					
					With Standard Forks		With Sideshifter							
					mm			°	kg				kg	
					35-FS/FH				35-FS	35-FH	35-FS	35-FH	35-FS	35-FH
Standard 2-Stage	3000	2150	100	6/12	3500	3500	3350	3350	4800	4860				
	3300	2300	100	6/12	3500	3500	3350	3350	4828	4888				
	3500	2400	100	6/12	3250	3250	3100	3350	4846	4906				
	4000	2700	100	6/6	3100	3100	2950	3050	4945	5005				
	4500	2950	100	6/6	2900	2900	2750	2850	4991	5051				
	5000	3200	100	6/6	2700	2700	2550	2650	5036	5096				
	5500	3500	100	6/6	2600	2600	2450	2550	5113	5173				
	6000	3750	100	6/6	2500	2500	2350	2450	5161	5221				
Full Free 2-Stage	2700	2000	810	6/12	3500	3500	3350	3450	4811	4871				
	3000	2150	960	6/12	3500	3500	3350	3450	4842	4902				
	3300	2300	1110	6/12	3500	3500	3350	3450	4873	4933				
	3500	2400	1210	6/12	3250	3250	3100	3200	4893	4953				
Full Free 3-Stage	3600	1920	730	6/6	3150	3150	3000	3100	5017	5077				
	4000	2055	865	6/6	2950	2950	2800	2900	5057	5117				
	4500	2220	1030	6/6	2750	2750	2600	2700	5107	5167				
	4700	2290	1100	6/6	2600	2600	2450	2550	5123	5183				
	5000	2390	1200	6/6	2400	2400	2250	2350	5157	5217				
	5500	2640	1450	6/6	2200	2200	2050	2150	5266	5326				
	6000	2890	1700	6/6	2000	2000	1850	1950	5334	5394				



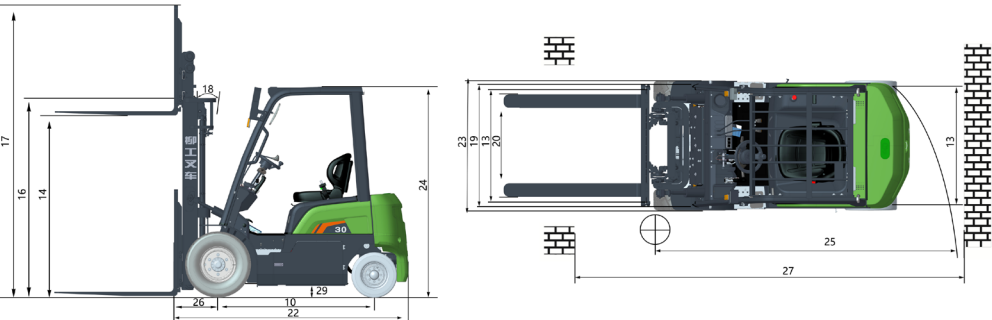
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH)	Mast Overall Lowered Height (OAL)		Free Lift with Load Backrest		Mast Tilt Angle (F/B)	Rated Load Capacity				Total Weight with Standard Forks						
							With Standard Forks		With Sideshifter								
							mm				°	kg				kg	
							30/35-FMZ	30-FMZ	35-FMZ	30-FMZ	35-FMZ	30/35-FMZ	30-FMZ	35-FMZ	30-FMZ	35-FMZ	30-FMZ
Standard 2-Stage	3000	2105	2150	100	100	6/12	3000	3500	2850	3350	4640	4960					
	3300	2255	2300	100	100	6/12	3000	3500	2850	3350	4667	4988					
	3500	2355	2400	100	100	6/12	3000	3500	2850	3350	4685	5006					
	4000	2655	2700	100	100	6/6	2700	3200	2550	3050	4777	5105					
	4500	2905	2950	100	100	6/6	2500	3000	2350	2850	4822	5151					
	5000	3155	3200	100	100	6/6	2300	2800	2150	2650	4867	5196					
	5500	3455	3500	100	100	6/6	2200	2700	2050	2550	4967	5273					
	6000	3705	3750	100	100	6/6	2100	2600	1950	2450	5014	5321					
Full Free 2-Stage	2700	1955	2000	763	810	6/12	3000	3500	2850	3450	4639	4971					
	3000	2105	2150	913	960	6/12	3000	3500	2850	3450	4667	5002					
	3300	2255	2300	1063	1110	6/12	3000	3500	2850	3450	4695	5033					
	3500	2355	2400	1163	1210	6/12	2850	3350	2700	3200	4714	5053					
Full Free 3-Stage	3600	1850	1920	658	730	6/6	2750	3250	2600	3100	4807	5177					
	4000	1985	2055	793	865	6/6	2550	3050	2400	2900	4844	5217					
	4500	2150	2220	958	1030	6/6	2350	2850	2200	2700	4890	5267					
	4700	2220	2290	1028	1100	6/6	2200	2700	2050	2550	4909	5283					
	5000	2320	2390	1128	1200	6/6	2000	2500	1850	2350	4936	5317					
	5500	2570	2640	1378	1450	6/6	1800	2300	1650	2150	5118	5426					
	6000	2820	2890	1628	1700	6/6	1600	2100	1450	1950	5184	5494					



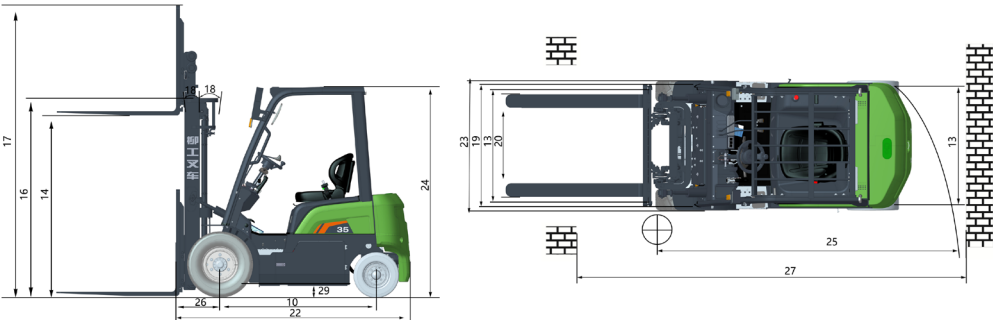
PRODUCT SPECIFICATIONS

General	Model	1			CPD30	CPD30
	Configuration number	2			FS	FH
	Load capacity	3	At rated load center	kg	3000	3000
	Load center distance	4		mm	500	500
Weights	Service weight	5	Unloaded	kg	4450	4510
	Axle load	6	Full load, front/rear	kg	6525/925	6585/925
		7	Unloaded, front/rear	kg	1805/2645	1865/2645
Tires	Tire type	8	Front /rear		Pneumatic tire/solid tire	solid tire/solid tire
	Wheels	9	Front wheel/rear wheel		2/2	2/2
	Wheelbase	10		mm	1700	1700
	Tire size	11	Front		28×9-15-14PR	28×9-15PR
		12	Rear		200/50-10PR	200/50-10PR
Mast	Tread width	13	Front wheel/rear wheel	mm	1044/998	1044/998
	Max. fork height	14	Std 2-Stage mast	mm	3000	3000
	Free lift	15	Std 2-Stage mast	mm	100	100
	Height, mast lowered	16	Std 2-Stage mast	mm	2090	2090
	Height, mast extended	17	Std 2-Stage mast	mm	4080	4080
	Mast tilt, fwd/back	18	Std 2-Stage mast	°	6/12	6/12
	Fork carriage	19	Installation rating		3A	3A
	Fork spread	20	Min/Max	mm	270/1098	270/1098
	Fork dimensions	21	T x W x L	mm	45/122/1070	45/122/1070
Chassis	Overall Length (to fork face)	22	Std 2-Stage mast	mm	2650	2650
	Overall width	23		mm	1264	1264
	Overhead guard height	24		mm	2160	2160
	Turning radius	25		mm	2290	2290
	Fork overhang	26			475	475
	Right angle stack (add load length and clearance)	27	AST1000×1200 Crossways AST800×1200 Lengthways	mm	3965 4165	3965 4165
		28	Minimum loaded	mm	130	130
	Ground clearance	29	Center of wheelbase	mm	120	120
Performance	Travel speed	30	Full load/unloaded	km/h	15/15	20/22
	Lift speed	31	Full load/unloaded	mm/s	290/430	380/430
	Lower speed	32	Full load/unloaded	mm/s	500/450	500/450
	Max. traction force	33	5-minute working system	KN	18	18
	Maximum gradeability	34	Full load/unloaded	%	15/18	20/22
Systems	Electrical control, motor type	35			AC,Permanent magnet synchronization	
	Drive motor power	36	S2 60min working system	kW	14	14
	Hlydraulic motor power	37	S3 15%working system	kW	16	20
	Battery	39	Voltage	V	80	80
		39	Capacity	Ah	std: 230 opt: 300/350/410/460/560	std: 300 opt: 410/460/560



PRODUCT SPECIFICATIONS

General	Model	1			CPD35	CPD35
	Configuration number	2			FS	FH
	Load capacity	3	At rated load center	kg	3500	3500
	Load center distance	4		mm	500	500
Weights	Service weight	5	Unloaded	kg	4800	4860
	Axle load	6	Full load, front/rear	kg	7340/960	7400/960
		7	Unloaded, front/rear	kg	1840/2960	1900/2960
Tires	Tire type	8	Front /rear		Pneumatic tire/solid tire	solid tire/solid tire
	Wheels	9	Front wheel/rear wheel		2/2	2/2
	Wheelbase	10		mm	1700	1700
	Tire size	11	Front		28×9-15-14PR	28×9-15PR
		12	Rear		200/50-10PR	200/50-10PR
Mast	Tread width	13	Front wheel/rear wheel	mm	1044/998	1044/998
	Max. fork height	14	Std 2-Stage mast	mm	3000	3000
	Free lift	15	Std 2-Stage mast	mm	100	100
	Height, mast lowered	16	Std 2-Stage mast	mm	2155	2155
	Height, mast extended	17	Std 2-Stage mast	mm	4080	4080
	Mast tilt, fwd/back	18	Std 2-Stage mast	°	6/12	6/12
	Fork carriage	19	Installation rating		3A	3A
	Fork spread	20	Min/Max	mm	270/1098	270/1098
	Fork dimensions	21	T x W x L	mm	50/122/1070	50/122/1070
Chassis	Overall Length (to fork face)	22	Std 2-Stage mast	mm	2650	2650
	Overall width	23		mm	1264	1264
	Overhead guard height	24		mm	2160	2160
	Turning radius	25		mm	2290	2290
	Fork overhang	26			480	480
	Right angle stack (add load length and clearance)	27	AST1000×1200 Crossways AST800×1200 Lengthways	mm	3970 4170	3970 4170
		28	Minimum loaded	mm	130	130
	Ground clearance	29	Center of wheelbase	mm	120	120
Performance	Travel speed	30	Full load/unloaded	km/h	15/15	20/22
	Lift speed	31	Full load/unloaded	mm/s	290/430	380/430
	Lower speed	32	Full load/unloaded	mm/s	500/450	500/450
	Max. traction force	33	5-minute working system	KN	18	18
	Maximum gradeability	34	Full load/unloaded	%	15/18	20/22
Systems	Electrical control, motor type	35			AC,Permanent magnet synchronization	
	Drive motor power	36	S2 60min working system	kW	14	20
	Hlydraulic motor power	37	S3 15%working system	kW	16	25
	Battery	39	Voltage	V	80	80
		39	Capacity	Ah	std: 230 opt: 300/350/410/460/560	std: 300 opt: 410/460/560



PRODUCT SPECIFICATIONS

General	Model	1			CPD30	CPD35
	Configuration number	2			FMZ	FMZ
	Base Capacity	3	Rated load center	kg	3000	3500
	Load Center	4		mm	500	500
Weights	Service Weight	5	Unloaded	kg	4640	4960
	Axle Load	6	Full load, front/rear	kg	6575/1065	7405/1055
		7	unloaded, front/rear	kg	1855/2785	1900/3060
Tires	Tire Type	8	Front wheel/rear wheel		solid tire/solid tire	solid tire/solid tire
	Wheels	9	Front wheel/rear wheel		2/2	2/2
	Wheelbase	10		mm	1700	1700
	Tire Size	11	Front Tire		28×9-15PR	28×9-15PR
		12	Rear wheel		200/50-10PR	200/50-10PR
Mast	Tread Width	13	Front wheel/rear wheel	mm	1044/998	1044/998
	Max. Fork Height	14	std 2-Stage mast	mm	3000	3000
	Free lift	15	std 2-Stage mast	mm	100	100
	Height, mast lowered	16	std 2-Stage mast	mm	2090	2155
	Height, mast extended	17	std 2-Stage mast	mm	4080	4080
	Mast tilt, fwd/back	18	std 2-Stage mast	°	6/12	6/12
	Fork carriage	19	Installation rating		3A	3A
	Fork spread	20	Min/Max	mm	270/1098	270/1098
	Fork dimensions	21	T x W x L	mm	45/122/1070	50/122/1070
	Overall Length (to the front end of the fork)	22	std 2-Stage mast	mm	2650	2650
Chassis	Overall width	23		mm	1264	1264
	Overhead Guard Height	24		mm	2160	2160
	Turning Radius	25		mm	2290	2290
	Fork Overhang	26			475	480
	Right Angle Stack	27	AST1000×1200 Crossways	mm	3965	3970
	add load length and clearance	28	AST800×1200 Lengthways	mm	4165	4170
	Ground Clearance	29	minimum loaded	mm	130	130
		30	center of wheelbase	mm	120	120
	Travel speed	31	Full load/unloaded	km/h	17/18	17/18
	Lift speed	32	Full load/unloaded	mm/s	380/430	380/430
Performance	Lower speed	33	Full load/unloaded	mm/s	500/450	500/450
	Max. traction force	34	5-minute working system	KN	18	18
	Maximum Gradeability	35	Full load/unloaded	%	18/20	18/20
Systems	Electrical control, motor type	36	Permanent magnet synchronization			
	Drive motor power	37	S2 60min working system	kW	14	14
	Work pump motor power	38	S3 15%working system	kW	20	26
	Battery	39	Voltage	V	80	80
		40	Capacity	Ah	sta: 230 opt: 300/350/410/460/560	

STANDARD SPECIFICATIONS/
AVAILABLE OPTIONS

configuration	standard	option
Battery type	lithium-ion Battery	Big capacity lithium-ion battery;Fast charging lithium-ion battery;Battery heating
tires	pneumatic	Solid tires; Pneumatic dual tires;Solid and Pneumatic dual tires;Non-mark pneumatic tires,Control valve 2 way valve、3 way valve、 4 way valve
light system	LED light F/R light protect guard	Warning lamp、Rear work light、license plate light、Regional red warning lights(left、right、rear)、blue spot light(front/rear)、rear grab with horn button
Cold/warm system	/	Heater、Air-condition(only cooling)
Intelligent Control System	OPS Control ;slope Parking ;USB charging port	Automatic speed limit function for steering; Steering wheel active HYD system
Overhead guard	Overhead guard; Rain shelter	Cab;Front windshield;Three rear view mirrors Overhead guard with plate on top; Transparent
Seat	Semi-surrounded seat	Semi-suspension/Full-suspension seat/Grammer seat
mast	2 stage 3m mast	2 stage 3-6m Duplex mast; 2 stage 2.7-3.5m Full Free Lift mast 3 stage 3.6-6m Full Free Lift mast

Others lowering cushion Sideshifter ; Attachment

