



F SERIES LITHIUM BATTERY FORKLIFT TRUCK

CPD15/18/20L



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Media Platform



LG-PB-CPD15/18/20L-122024-EN

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TOUGH WORLD.TOUGH EQUIPMENT.

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MAIN FEATURES

Unique appearance,Maximum manoeuvrability

- The new family platform design,powerful appearance, modern design present fashion industry concept;
- Enclosed automotive grade instrument platform, beautiful and elegant;
- Special-shaped tube overhead guard for easy cab installation.



Precise control ,comfortable

- 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 frethy performance is extremely smooth;
- Transmission, pump, structure and cover components 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, easy 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, confidently use

- The frame adopts layered layout design, the structural strength is 30% higher than the traditional model, satisfy 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 water-proof level achieve IPX4;Three core electric protection level IP54 or above, meet all-weather operation;
- Truck uses LED lights, high brightness, service life of 20,000 hours



WORRY FREE

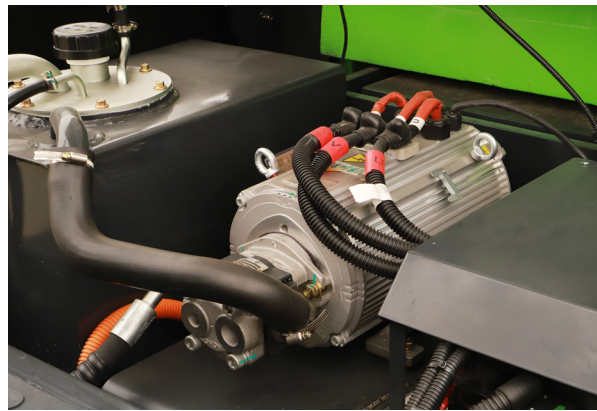
Safe and intelligent, technological escort

- 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

- High efficient Permanent magnet synchronous system, a 15% reduction in energy consumption result in lower usage costs;
- Braking regenerative energy recovery system, longer working time;
- The charger can be setup to charge during the low electricity price period, 50% reduction;
- Wide base tires, good wear resistance, long service life.



SAVE MONEY

Easy maintenance reduce cost

- Maintenance-free lithium battery, service life of more than 5000 cycles;
- Controller, pump motor, hydraulic tank and other parts can be touched directly when open the hood;
- The lubrication points are arranged in the main-tenance area, easily tagged;
- The dust-proof filter design of the charger can adapt to the operation of the dust environment.

LOW TCO

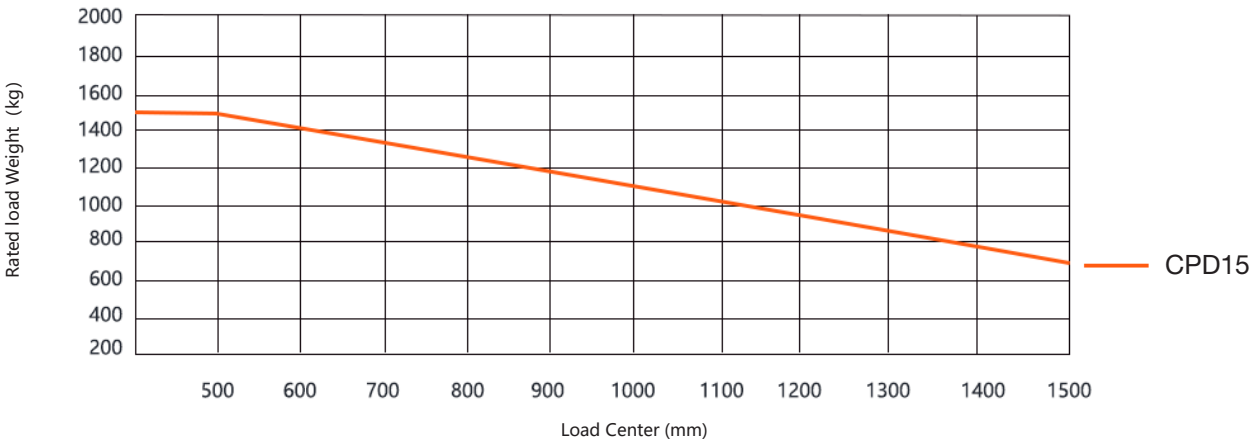
Robust and durable,High residual value

- High-strength steel,significant re-turn on investment;
- The cover is scratch-proof and not easily damaged;
- Automotive-grade instrument panel has good durability;
- The working light is protected by a metal guard and remains undamaged.



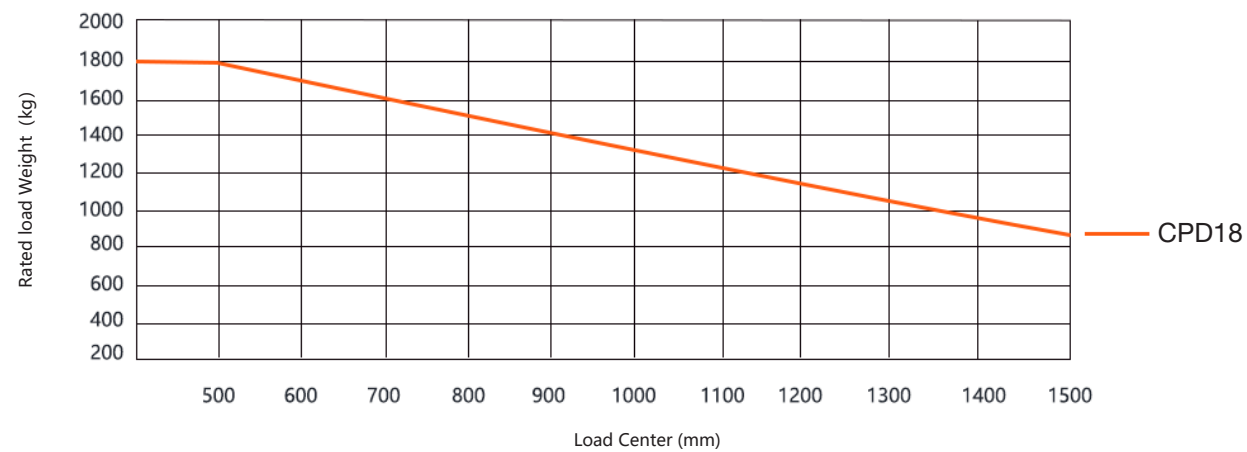
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH) (mm)	Mast Overall Lowered Height (OAL) (mm)	Free Lift with Load Backrest (mm)	Mast Tilt Angle (F/B) (°)	Rated Load Capacity (kg)		Total Weight with Standard Forks (kg)
					With Standard Forks	With Sideshifter	
	CPD15					CPD15	
Standard 2-Stage	2000	1495	110	6/12	1500	1350	2752
	2300	1645	110	6/12	1500	1350	2774
	2500	1745	110	6/12	1500	1350	2788
	2700	1845	110	6/12	1500	1350	2803
	3000	1995	110	6/12	1500	1350	2824
	3300	2145	110	6/12	1500	1350	2846
	3500	2245	110	6/12	1500	1350	2861
	4000	2545	110	6/12	1500	1350	2926
	4500	2795	110	6/10	1450	1300	2962
	5000	3045	110	6/10	1300	1150	2998
	5500	3345	110	6/6	1150	1000	3041
	6000	3595	110	6/6	1000	850	3077
Full Free 2-Stage	2500	1835	1154	6/10	1500	1350	2799
	2700	1935	1254	6/10	1500	1350	2814
	3000	2085	1404	6/10	1500	1350	2839
	3300	2235	1554	6/10	1500	1350	2862
	3500	2335	1654	6/10	1500	1350	2877
Full Free 3-Stage	3600	1785	1104	6/6	1500	1350	2949
	4000	1915	1234	6/6	1500	1350	2978
	4300	2015	1334	6/6	1470	1320	3002
	4500	2085	1404	6/6	1450	1300	3017
	4700	2155	1474	6/6	1390	1240	3033
	5000	2255	1574	6/6	1300	1150	3054
	5500	2505	1824	6/6	1150	1000	3136
	6000	2755	2030	6/6	1000	850	3188



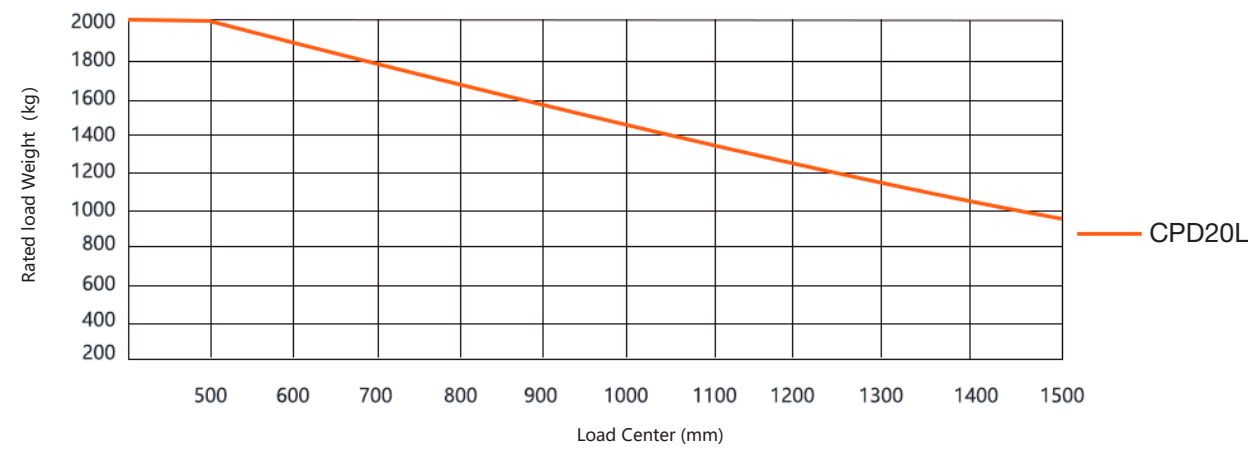
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH) (mm)	Mast Overall Lowered Height (OAL) (mm)	Free Lift with Load Backrest (mm)	Mast Tilt Angle (F/B) (°)	Rated Load Capacity (kg)		Total Weight with Standard Forks (kg)
					With Standard Forks	With Sideshifter	
	CPD18					CPD18	
Standard 2-Stage	2000	1495	110	6/12	1800	1650	2872
	2300	1645	110	6/12	1800	1650	2894
	2500	1745	110	6/12	1800	1650	2908
	2700	1845	110	6/12	1800	1650	2923
	3000	1995	110	6/12	1800	1650	2944
	3300	2145	110	6/12	1800	1650	2966
	3500	2245	110	6/12	1800	1650	2981
	4000	2545	110	6/12	1800	1650	3046
	4500	2795	110	6/10	1650	1500	3082
	5000	3045	110	6/10	1500	1350	3118
	5500	3345	110	6/6	1350	1200	3161
	6000	3595	110	6/6	1150	1000	3197
Full Free 2-Stage	2500	1835	1154	6/10	1800	1650	2919
	2700	1935	1254	6/10	1800	1650	2934
	3000	2085	1404	6/10	1800	1650	2959
	3300	2235	1554	6/10	1800	1650	2982
	3500	2335	1654	6/10	1800	1650	2997
Full Free 3-Stage	3600	1785	1104	6/6	1800	1650	3069
	4000	1915	1234	6/6	1800	1650	3098
	4300	2015	1334	6/6	1670	1520	3122
	4500	2085	1404	6/6	1650	1500	3137
	4700	2155	1474	6/6	1590	1440	3153
	5000	2255	1574	6/6	1500	1350	3174
	5500	2505	1824	6/6	1350	1200	3256
	6000	2755	2030	6/6	1150	1000	3308



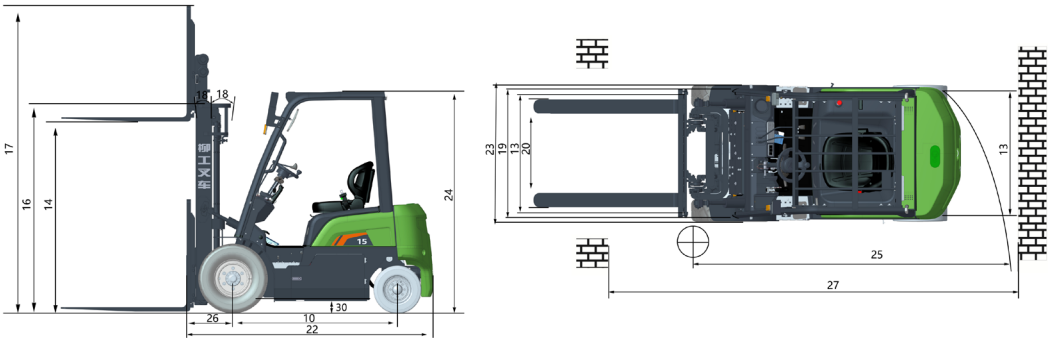
MAST AND CAPACITY INFORMATION

Mast type	Maximum Fork Height (MFH) (mm)	Mast Overall Lowered Height (OAL) (mm)	Free Lift with Load Backrest (mm)	Mast Tilt Angle (F/B) (°)	Rated Load Capacity (kg)		Total Weight with Standard Forks (kg)
					With Standard Forks	With Sideshifter	
	CPD20L					CPD20L	
Standard 2-Stage	2000	1495	110	6/12	2000	1850	2973
	2300	1645	110	6/12	2000	1850	2995
	2500	1745	110	6/12	2000	1850	3009
	2700	1845	110	6/12	2000	1850	3024
	3000	1995	110	6/12	2000	1850	3045
	3300	2145	110	6/12	2000	1850	3067
	3500	2245	110	6/12	2000	1850	3082
	4000	2545	110	6/12	1930	1780	3147
	4500	2795	110	6/10	1750	1600	3183
	5000	3045	110	6/10	1550	1400	3219
	5500	3345	110	6/6	1350	1200	3262
	6000	3595	110	6/6	1150	1000	3298
Full Free 2-Stage	2500	1835	1154	6/10	2000	1850	3020
	2700	1935	1254	6/10	2000	1850	3035
	3000	2085	1404	6/10	2000	1850	3060
	3300	2235	1554	6/10	2000	1850	3083
	3500	2335	1654	6/10	2000	1850	3098
Full Free 3-Stage	3600	1785	1104	6/6	1970	1820	3170
	4000	1915	1234	6/6	1820	1670	3199
	4300	2015	1334	6/6	1730	1580	3223
	4500	2085	1404	6/6	1670	1520	3238
	4700	2155	1474	6/6	1600	1450	3254
	5000	2255	1574	6/6	1500	1350	3275
	5500	2505	1824	6/6	1300	1150	3357
	6000	2755	2030	6/6	1100	950	3409



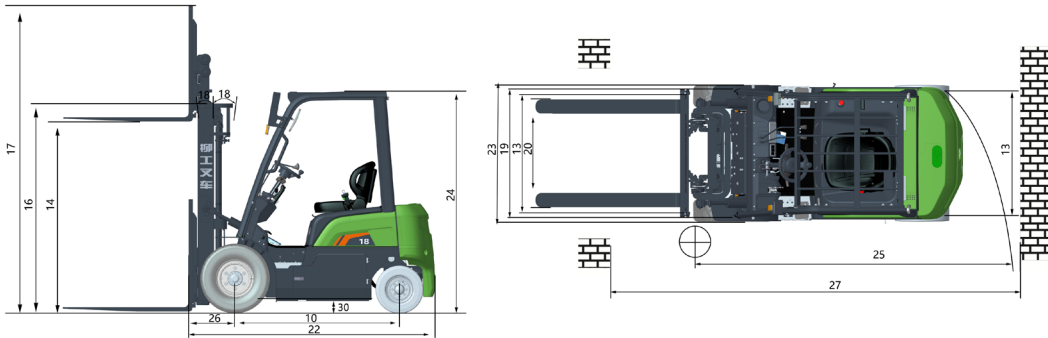
MAST AND CAPACITY INFORMATION

General	Model	1			CPD15
	Configuration number	2			FSJ
	Base Capacity	3	Rated load center	kg	1500
	Load Center	4		mm	500
Weights	Service Weight	5	Unloaded	kg	2824
	Axle Load	6	Full load, front/rear	kg	3705/619
		7	Unloaded, front/rear	kg	1251/1573
Tires	Tire Type	8	Front wheel/rear wheel		Pneumatic
	Wheels	9	Front wheel/rear wheel		2/2
	Wheelbase	10		mm	1430
	Tire Size	11	Front Tire		6.5-10NHS
		12	Rear wheel		5.0-8NHS
Mast	Tread Width	13	Front wheel/rear wheel	mm	958/920
	Max. Fork Height	14	Std 2-Stage mast	mm	3000
	Free lift	15	Std 2-Stage mast	mm	105
	Height, mast lowered	16	Std 2-Stage mast	mm	1995
	Height, mast extended	17	Std 2-Stage mast	mm	4079
	Mast tilt, fwd/back	18	Std 2-Stage mast	deg	6/12
	Fork carriage	19	Installation rating	mm	1040
	Fork spread	20	Min/Max	mm	262/1024
	Fork dimensions	21	T x W x L	mm	35×100×920
	Overall Length (to the front end of the fork)	22	Std 2-Stage mast	mm	2230
Chassis	Overall width	23		mm	1136
	Overhead Guard Height	24		mm	2096
	Turning Radius	25		mm	1990
	Fork Overhang	26		mm	410
	Right Angle Stack	27	AST 800×1200 Crossways	mm	3800
		28	AST 1000×1200 Lengthways	mm	3600
	Ground Clearance	29	Below mast	mm	95
		30	Center of wheelbase	mm	100
Performance	Travel speed	31	Full load/unloaded	km/h	17/18
	Lift speed	32	Full load/unloaded	mm/s	360/450
	Lower speed	33	Full load/unloaded	mm/s	500/490
	Max. traction force	34	5-minute working system	N	6920
	Maximum Gradeability	35	Full load/unloaded	%	15/20
Systems	Motor	36			Jiachen
		37	Drive motor power	kW	8
		38	Work pump motor power	kW	10
	Battery	39	Voltage	V	80
		40	Capacity	Ah	150



MAST AND CAPACITY INFORMATION

General	Model	1			CPD18
	Configuration number	2			FSJ
	Base Capacity	3	Rated load center	kg	1800
	Load Center	4		mm	500
Weights	Service Weight	5	Unloaded	kg	2944
	Axle Load	6	Full load, front/rear	kg	4189/555
		7	Unloaded, front/rear	kg	1244/1700
Tires	Tire Type	8	Front wheel/rear wheel		Pneumatic
	Wheels	9	Front wheel/rear wheel		2/2
	Wheelbase	10		mm	1430
	Tire Size	11	Front Tire		6.5-10NHS
		12	Rear wheel		5.0-8NHS
Mast	Tread Width	13	Front wheel/rear wheel	mm	958/920
	Max. Fork Height	14	Std 2-Stage mast	mm	3000
	Free lift	15	Std 2-Stage mast	mm	105
	Height, mast lowered	16	Std 2-Stage mast	mm	1995
	Height, mast extended	17	Std 2-Stage mast	mm	4079
	Mast tilt, fwd/back	18	Std 2-Stage mast	deg	6/12
	Fork carriage	19	Installation rating	mm	1040
	Fork spread	20	Min/Max	mm	262/1024
	Fork dimensions	21	T x W x L	mm	35×100×920
	Overall Length (to the front end of the fork)	22	Std 2-Stage mast	mm	2230
Chassis	Overall width	23		mm	1136
	Overhead Guard Height	24		mm	2096
	Turning Radius	25		mm	1990
	Fork Overhang	26		mm	410
	Right Angle Stack	27	AST 800×1200 Crossways	mm	3800
		28	AST 1000×1200 Lengthways	mm	3600
	Ground Clearance	29	Below mast	mm	95
		30	Center of wheelbase	mm	100
Performance	Travel speed	31	Full load/unloaded	km/h	17/18
	Lift speed	32	Full load/unloaded	mm/s	360/450
	Lower speed	33	Full load/unloaded	mm/s	500/490
	Max. traction force	34	5-minute working system	N	8073
	Maximum Gradeability	35	Full load/unloaded	%	15/20
Systems	Motor	36			Jiachen
		37	Drive motor power	kW	8
		38	Work pump motor power	kW	10
	Battery	39	Voltage	V	80
		40	Capacity	Ah	150



PRODUCT SPECIFICATIONS

General	Model	1			CPD20L
	Configuration number	2			FSJ
	Base Capacity	3	Rated load center	kg	2000
	Load Center	4		mm	500
Weights	Service Weight	5	Unloaded	kg	3045
	Axle Load	6	Full load , front/rear	kg	4511/534
		7	Unloaded , front/rear	kg	1239/1806
Tires	Tire Type	8	Front wheel/rear wheel		Pneumatic
	Wheels	9	Front wheel/rear wheel		2/2
	Wheelbase	10		mm	1430
	Tire Size	11	Front Tire		6.5-10NHS
		12	Rear wheel		5.0-8NHS
	Tread Width	13	Front wheel/rear wheel	mm	958/920
Mast	Max. Fork Height	14	Std 2-Stage mast	mm	3000
	Free lift	15	Std 2-Stage mast	mm	110
	Height, mast lowered	16	Std 2-Stage mast	mm	1995
	Height, mast extended	17	Std 2-Stage mast	mm	4079
	Mast tilt, fwd/back	18	Std 2-Stage mast	deg	6/12
	Fork carriage	19	Installation rating	mm	1040
	Fork spread	20	Min/Max	mm	284/1040
	Fork dimensions	21	T x W x L	mm	40×122×920
Chassis	Overall Length (to thefront end of the fork)	22	Std 2-Stage mast	mm	2235
	Overall width	23		mm	1136
	Overhead Guard Height	24		mm	2096
	Turning Radius	25		mm	1990
	Fork Overhang	26		mm	415
	Right Angle Stack	27	AST 800×1200 Crossways	mm	3800
		28	AST 1000×1200 Lengthways	mm	3600
	Ground Clearance	29	Below mast	mm	95
		30	Center of wheelbase	mm	100
Performance	Travel speed	31	Full load/unloaded	km/h	17/18
	Lift speed	32	Full load/unloaded	mm/s	360/450
	Lower speed	33	Full load/unloaded	mm/s	500/490
	Max. traction force	34	5-minute working system	N	8815
	Maximum Gradeability	35	Full load/unloaded	%	15/20
Systems	Motor	36			Jiachen
		37	Drive motor power	kW	8
		38	Work pump motor power	kW	10
	Battery	39	Voltage	V	80
		40	Capacity	Ah	150

STANDARD SPECIFICATIONS/
AVAILABLE OPTIONS

CONFIGURATION	STANDARD	OPTION
Battery type	FS:150Ah	Choice of battery capacities with heating
Tires	Pneumatic	Solid tires; Pneumatic dual tires;Solid and Pneumatic dual tires;Non-mark pneumatic tires
Light system	LED 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
Hydraulic system	2-way valve	3-way valve;4-way valve
Cold/warm system	/	Heater、Air-condition(only cooling)
Intelligent Control System	Auto slope parking ;USB charging port	Automatic speed limit function for steering; Steering wheel active HYD system
Overhead guard	Rain shelter	Cab;Front windshield;Three rear view mirrors;Overhead guard with transparent plate on top
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;Regular attachment

