



F Series Lithium Battery Forklift Truck

CPD30/35-FS/FH

TOUGH WORLD.TOUGH EQUIPMENT.



Liuzhou Liugong Forklift Co., Ltd.
No. 1 Yanghe Avenue, Yanghe Industrial
New Zone, Liuzhou City, Guangxi
Zip Code (P): 545006
Sales Hotline (T): 0772-2040713
Service Hotline (T): 0772-2040720/ 0772-2040721 E-mail
(E): liugonglrs@liugong.com
Website (W): www.lgforklift.cn



Official website



Media Platform



LG-PB-CPD30/35-FS/FH -072025-EN

The Liugong series of logos herein, including but not limited to word marks, device marks, letter of alphabet marks and combination marks, as the registered trademarks of Guangxi Liugong Group Co., Ltd. are used by Guangxi Liugong Machinery Co., Ltd. with legal permission, and shall not be used without permission. Specifications and designs are subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment. Equipment and options varies by regional availability.

TOUGH WORLD.TOUGH EQUIPMENT.

MAIN FEATURES

Unique appearance,Maximum manoeuvrable

- The new family platform design,powerfull appearence, Modern design present fashion industry concept;
- Closed automotive grade instrument platform, beautiful and elegant;
- Special-shaped steel 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 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, confidently use

- 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.



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.

LOW TCO

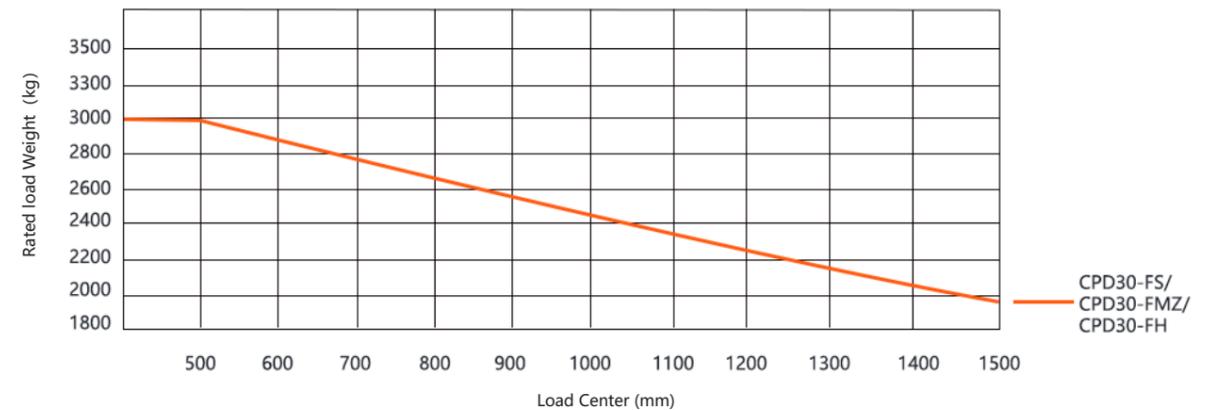
Robust and durable, High residual

- 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.



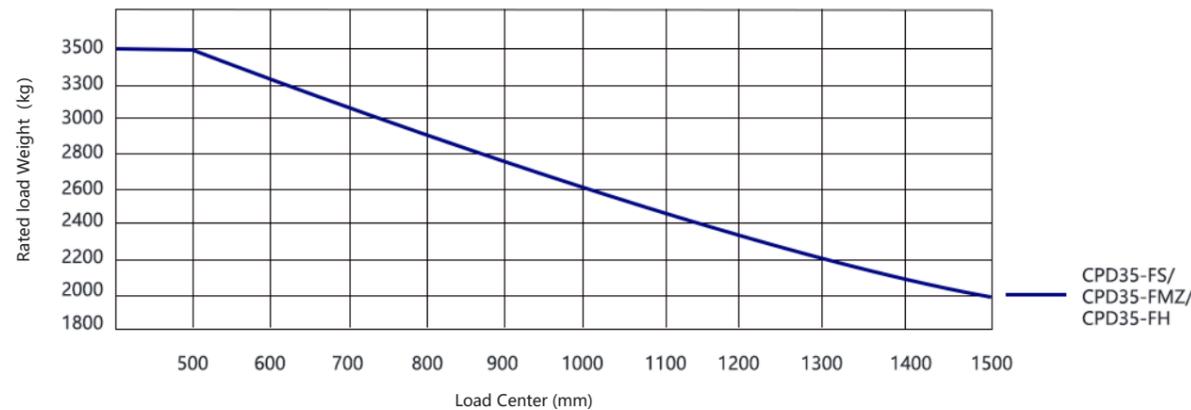
MAST AND CAPACITY INFORMATION

| 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 | | kg | |
| | 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 |
| 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 |



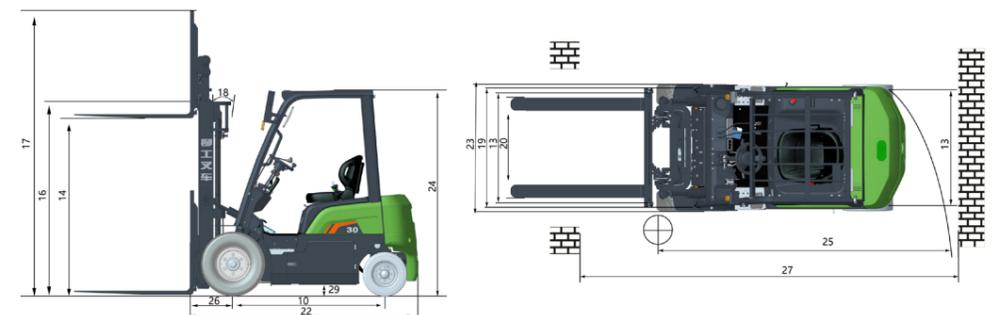
MAST AND CAPACITY INFORMATION

| 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 |



PRODUCT SPECIFICATIONS

| General | Model | 1 | | CPD30 | CPD30 | |
|----------------------|---|--------------|-------------------------|--------------------|--------------------------------------|----------------------------------|
| | Configuration number | 2 | | FS | FH | |
| Weights | Base Capacity | 3 | Rated load center | kg | 3000 | 3000 |
| | Load Center | 4 | | mm | 500 | 500 |
| | Service Weight | 5 | Unloaded | kg | 2/2 | 2/2 |
| | Axle Load | 6 | Full load, front/rear | kg | 6525/925 | 6585/925 |
| Tires | | 7 | unloaded, front/rear | kg | 1805/2645 | 1865/2645 |
| | Tire Type | 8 | Front wheel/rear wheel | | Pneumatic tire/solid tire | solid tire/solid tire |
| | Wheels | 9 | Front wheel/rear wheel | | 45690 | 45690 |
| | Wheelbase | 10 | | mm | 1700 | 1700 |
| | Tire Size | 11 | Front Tire | | 28×9-15-14PR | 28×9-15PR |
| Mast | | 12 | Rear wheel | | 200/50-10PR | 200/50-10PR |
| | 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 the front end of the fork) | 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 | 27 | AST1000×1200 Crossways | mm | 3965 | 3965 |
| | add load length and clearance | 28 | AST800×1200 Lengthways | mm | 4165 | 4165 |
| | Ground Clearance | 29 | minimum loaded | mm | 130 | 130 |
| | | 30 | center of wheelbase | mm | 120 | 120 |
| | Performance | Travel speed | 31 | Full load/unloaded | km/h | 15/15 |
| Lift speed | | 32 | Full load/unloaded | mm/s | 290/430 | 380/430 |
| 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 | % | 15/18 | 20/22 |
| 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 | 16 | 20 |
| | Battery | 39 | Voltage | V | 80 | 80 |
| | | 40 | Capacity | Ah | sta: 230 opt: 280/412/460/560/608 | sta: 280 opt: 412/460/560/608 |



PRODUCT SPECIFICATIONS

| General | Model | 1 | | | CPD35 | CPD35 |
|-------------------------------|--------------------------------|---|-------------------------|--------------------------------------|----------------------------------|-----------------------|
| | Configuration number | 2 | | | FS | FH |
| Weights | Base Capacity | 3 | Rated load center | kg | 3500 | 3500 |
| | Load Center | 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 wheel/rear wheel | | Pneumatic tire/solid tire | solid tire/solid tire |
| | Wheels | 9 | Front wheel/rear wheel | | 2/2 | 2/2 |
| | Wheelbase | 10 | | mm | 1700 | 1700 |
| | | 11 | Front Tire | | 28×9-15-14PR | 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 |
| | | 14 | Max. Fork Height | mm | 3000 | 3000 |
| | 15 | Free lift | mm | 100 | 100 | |
| | 16 | Height, mast lowered | mm | 2155 | 2155 | |
| | 17 | Height, mast extended | mm | 4080 | 4080 | |
| | 18 | Mast tilt, fwd/back | ° | 6/12 | 6/12 | |
| | 19 | Fork carriage | | Installation rating | 3A | 3A |
| | 20 | Fork spread | mm | Min/Max | 270/1098 | 270/1098 |
| | 21 | Fork dimensions | mm | T x W x L | 50/122/1070 | 50/122/1070 |
| | Chassis | Overall Length (to the front end of the fork) | 22 | std 2-Stage mast | mm | 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 | | 27 | AST1000×1200 Crossways | mm | 3970 | 3970 |
| add load length and clearance | | 28 | AST800×1200 Lengthways | mm | 4170 | 4170 |
| Ground Clearance | | 29 | minimum loaded | mm | 130 | 130 |
| | | 30 | center of wheelbase | mm | 120 | 120 |
| Performance | | Travel speed | 31 | Full load/unloaded | km/h | 15/15 |
| | Lift speed | 32 | Full load/unloaded | mm/s | 290/430 | 380/430 |
| | Lower speed | 33 | Full load/unloaded | mm/s | 500/450 | 500/450 |
| | Max. traction force | 34 | 5-minute working system | KN | 18 | 18 |
| 35 | Maximum Gradeability | | % | 15/18 | 20/22 | |
| Systems | Electrical control, motor type | 36 | | | Permanent magnet synchronization | |
| | Drive motor power | 37 | S2 60min working system | kW | 14 | 20 |
| | Work pump motor power | 38 | S3 15%working system | kW | 16 | 25 |
| | Battery | 39 | Voltage | V | 80 | 80 |
| 40 | | Capacity | Ah | sta: 230 opt: 280/412/460/560/608 | sta: 280 opt: 412/460/560/608 | |

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 |

