

Intelligent Core Technology Create The Future



芯时代3-3.5T锂电叉车 3~3.5ton high-voltage lithium battery forklift

CATL



-30 ~ 60°C



309V高压平台
宁德时代原装电池
CATL Original 309V Battery

30分钟充电
综合工况续航8小时
Charging for 30 minutes,
comprehensive operating range for 8 hours

三电热管理系统
Thermal Management System
(Battery, motor, electronic controller)

从容应对高/低温、粉尘、
高海拔等复杂环境
全天候作业

Suitable for complex environments such as
high temperature, low temperature, dust,
and high altitude, and work around the clock.



FORKLIFT FEATURES

Excellent performance, Fully charged in 1hour

- Power performance surpasses that of fuel forklifts of the same tonnage
- Permanent magnet synchronous motor with maximum efficiency up to 96%
- More powerful than internal combustion forklifts and safer than electric forklifts
- Comparable to imported I.C.forklifts in terms of full/empty load,climbing ability,speed and control performance!
- **After fully charged in 1 hour, it can be used for 10 hours under comprehensive working conditions, which greatly improves material handling efficiency.**
- Compatible with national / European standard car charging piles
- CATL original liquid-cooled battery pack

Car-grade battery,controller and motor

- High voltage architecture with high integration and low failure rate
- Protection level reaches IP67,able to cope with complex environments below with ease
- High temperature,high cold,high dust (4mg/cubic meter),high altitude
- **Can withstand 400mm/h precipitation,waterproof grade IPX40**
- Ev-system electronic controller:Verification of millions of kilometers of road vehicles,stable performance

Safe & reliable, car-grade thermal management system, -30 °C~60 °C

- Overload protection,power outage protection,multiple insulation detection
- times Vibration test,fit harsh working conditions and strong tolerance
- Car-grade thermal management system,enable stable working conditions in harsh environments ranging from,-30°C to 60°C, and can continue to output power stably even in low-temperature cold storage, steel casting workshops,and smelting plants.

Durable,easy to use,environmentally friendly



- Simple maintenance and low cost of use
- Keep the operating habits of diesel forklifts
- Zero emission,environmentally friendly,economical and durable

Smart and multifunctional

- Automatic slope holding function, OPS function
- operating modes,remote diagnostic monitoring,reversing voice reminder
- Automatic ramp parking function can prevent accidents caused by manual operation errors, hence,ensure the safety of goods and personnel.

CATL original battery

- **Enjoy the CATL global after-sales network**
- **309V/96Ah high voltage lithium battery**
- **Charge and discharge 3,000 times/20,000 working hours/battery cell warranty for 8 years (whichever comes first)**

 looks forward to high-voltage lithium battery forklifts bringing convenience to more companies and providing the best solutions for your work efficiency and environmental protection requirements. In the context of this global green transformation,  will continue to adhere to the concepts of innovation, low carbon, green and development, and empower green logistics to develop new!

技术参数 Technical Specification

特性		Characteristic			
1.01	产品型号	Model		FB30 LH	FB35 LH
1.02	动力方式	Power Type		lithium battery	lithium battery
1.03	额定载重量	Rated Capacity	kg	3000	3500
1.04	载荷中心距	Load Centre	mm	500	500
1.05	自重	Service weight	kg	4520	4800
轮胎、底盘		Tyre & Chassis			
2.01	轮胎类型(前/后)	Tyre Type (Front/Rear)		air tires	air tires
2.02	车轮数量 X=驱动轮(前/后)	Wheel number X = drive wheel (Front/Rear)		2X/2	2X/2
2.03	前轮胎规格	Tyre Size (Front)		28X9-15-14PR	28X9-15-14PR
2.04	后轮胎规格	Tyre Size (Rear)		6.50-10-10PR	6.50-10-10PR
2.05	前轮距	Front Tread	mm	1000	1000
2.06	后轮距	Rear Tread	mm	970	970
2.07	轴距	Wheelbase	mm	1700	1700
尺寸		Size			
3.01	货叉尺寸(长×宽×厚)	Fork Size (L×W×T)	mm	1070x125x45	1070x125x50
3.02	门架倾角(前/后)	Mast Tilt Angle (F/R)	deg	6/12	6/12
3.03	门架起升高度	Lift Height	mm	3000	3000
3.04	门架不起升高度	Mast Lowered Height	mm	2115	2150
3.05	门架最大起升高度(带挡货架)	Mast Extended Height	mm	4180	4180
3.06	全长(不带货叉)	Length to Face of Fork	mm	2741	2796
3.07	全宽(车架处)	Overall Width	mm	1230	1230
3.08	座椅面至护顶架距离	Distance From Roof to Seat	mm	1020	1020
3.09	前悬距	Front Overhang	mm	481	506
3.10	后悬距	Rear Overhang	mm	575	610
3.11	最小转弯半径	Turning Radius (outside)	mm	2460	2495
3.12	最小离地间隙(门架处)	Ground Clearance	mm	140	140
性能参数		Performance			
4.01	最大行驶速度(满载/空载)	Max. Travel Speed (Full load/No load)	km/h	20/20	20/20
4.02	最大起升速度(满载/空载)	Lifting Speed (Full load/No load)	mm/s	520/530	430/440
4.03	最大下降速度(满载/空载)	Lowering Speed (Full load/No load)	mm/s	≤600 / ≥300	≤600 / ≥300
4.04	最大爬坡度(满载)	Max. Gradeability (Full load)	%	20	20
驱动、传动		Power & Transmissions			
5.01	电池(类型)	Battery(Type)		Lithium Iron Phosphate	Lithium Iron Phosphate
5.02	电池(电压/容量)	Battery(Voltage/Capacity)	V/Ah	309.12/96	309.12/96
5.03	牵引电机功率, S2-60min	Traction Motor Power, S2-60min	Kw	30	30
5.04	起升电机功率, S3-15%	Lifting Motor Power, S3-15%	Kw	30	30
5.05	控制方式	Controller		Full AC	Full AC
5.06	液压系统工作压力	Operating Pressure	Mpa	18	18
5.07	液压油箱容积	Hydraulic Oil Tank Capacity	L	49	49



CATL Brand Lithium Battery Forklift (309.12v/96AH)

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