

BYD FORKLIFT

NEW ENERGY FORKLIFT LEADER

Remodel the business environment
with technology revolution

TECHNOLOGICAL • INNOVATIONS • FOR A BETTER LIFE



Official WeChat



Official Website

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PRODUCUCT RANGE

Light & Medium Duty
Counterbalance Forklift

Heavy Duty Counterbalance
Forklift

Reach Truck

Pallet Stacker

Pallet Truck

Logistics Robotics

Towing Tractor

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NEW ENERGY FORKLIFT LEADER

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GREEN DREAMS



Use technological innovation to satisfy people's yearning for a better life

ABOUT BYD

BYD Company Limited, listed on both the Hong Kong and the Shenzhen Stock Exchanges, is a high-tech enterprise specializing in four industries: electronics, automobile, new energy and rail transit. Founded in February 1995, BYD started out in the rechargeable battery business. While matching into the automobile industry, we started operating in the renewable energy industry in 2003. In October 2016, BYD ventured into the light rail industry. Currently BYD company has 40 production bases globally with a total employee number around 400,000.

TECHNOLOGY BASED, INNOVATION ORIENTED

BYD always adhered to the development concept of "Technology Based, Innovation Oriented", and has achieved comprehensive development by R&D strength and innovative development model.

40,000+

R & D personnel

11 SEATS

R&D Institute

38,000

patent application

26,000

Patents

GROUP REVENUE

2023 Revenue

602 billion

43% Compound annual growth rate

SOCIAL RESPONSIBILITY

From pollution control to congestion control
Byd provides innovative technologies and solutions to reduce global warming

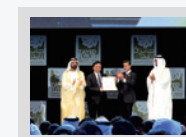
35,088,923 kg

Approximately reduce carbon dioxide emissions every day

2,924,077 tree

Equivalent

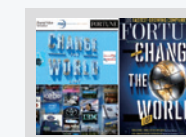
CORPORATE HONOR



2016 Zayed Future Energy Prize



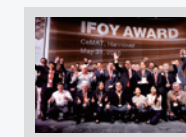
BYD President Mr. Wang Chuanfu was mentioned as "Stars of Asia" by Business Week



Mentioned as "the 51 companies that changes the world" by Fortune



United Nations' special award for energy



2016 International forklift of the Year

SEVEN
GENERAL FIELDS



Bus



Coach



Urban construction logistics



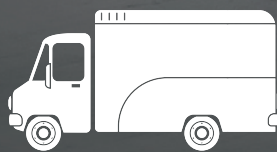
Sanitation truck



Passenger vehicle



Cab



Urban commodity

FOUR
SPECIAL FIELDS

7+4
MARKET-WIDE
STRATEGY

BYD's new energy industry has achieved all-dimensional vehicle market distribution,including seven general fields: passenger vehicle, cab, bus, coach, urban commodity logistics, urban construction logistics and sanitation truck, and four special fields:warehouse, harbor, airport and mine special vehicles.



Warehouse



Airport



Harbor



Mine special vehicles

ABOUT BYD FORKLIFT GROUP

BYD forklift is a significant part of the BYD new energy "seven plus four" market strategy. Based on intensive new energy technology, motivated with passionate innovation spirit, steering market direction accurately, BYD forklift has developed the new energy material handling equipment series like counterbalance forklift, reach truck, pallet truck, stacker, tractor and automatic guided vehicle, etc. Being the leading company in lithium battery forklift industry, BYD forklift has changed the using habit and business model in traditional forklift industry. We have brought disruptive innovation to the industry, which has risen the green revolution of new energy to the industry.



BYD FORKLIFT

NEW ENERGY FORKLIFT LEADER

10+

years of experience
in the forklift
industry

40+

Spread across more
than 40 countries
and regions around
the world

200+

More than 200
cities around the
world

3500+

more than 3,500
customers

100000+

10,000+lithium
battery forklifts in
stock by 2023

DEVELOPMENT HISTORY

2009-2022

2011-01

The first 2.0 ton electric counterbalance forklift was completed.

2009-11

BYD(Shaoguan)co.,Ltd was established.

2014-05

BYD new forklift attended CeMAT exhibition in Germany, got into European market officially.

2013-08

BYD 3.5 ton ECB forklift was completed in Shaoguan.

2016-06

BYD forklift was awarded the international forklift of the Year (IFOY) as first Chinese forklift brand.

2015-09

BYD forklift launched in Australian market & Japanese market

2016-11

BYD forklift was awarded first "China Industrial Truck Innovation Award"(CITIA)

2017-09

BYD forklift was awarded "China Industrial Truck Innovation Award"(CITIA) gold medal.

2020-11

In November 2020,BYD counter-balanced Automated guided vehicles(AGVs) released.

2022-11

BYD forklift second-generation product offline

2021-11

In November 2021 the 75,000th BYD forklift rolled off the production line.



GLOBAL OPERATION NETWORK



- Headquarters
- Manufacturing Sites
- Branches



BYD forklift has established global network and high standard after-sale service team, which could offer our customer with satisfying efficient one-stop service.

Based on the strong global operation network of BYD group, after nearly 10 years' originality creation and concentration operation, BYD forklift has spread its market all around China and gotten in many oversea markets in Germany, Netherlands, Belgium, U.S.A., Brazil, Singapore, Japan and Korea, etc., covering six continents of the world.

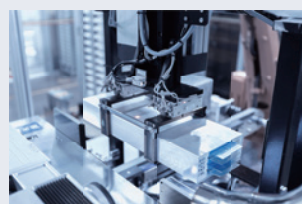
REFORM THE INDUSTRY WITH EXCELLENT TECHNOLOGY

Remodel the business environment with technology revolution



GLOBAL LEADING BATTERY PRODUCTION APPLICATION CAPABILITY

BYD is a global manufacturer of lithium iron phosphate batteries with huge production capacity, strong technological innovation capabilities, and 100% independent research and development, design, and production capabilities. Lithium batteries are widely used in various consumer electronics products and new intelligent products, maintaining the sales champion of domestic power batteries for three consecutive years. BYD also has nine major production bases with nearly 400,000 employees, has been deeply involved in the battery industry for over 25 years, and has shipped over 5 billion batteries.



BYD LITHIUM BATTERIES ADVANTAGE



High safety



High efficiency



Long working-life



Zero pollution
Zero emission



Opportunity charging



Free maintenance



-40°C -60°C
Extensive temperature adaption

BYD LITHIUM BATTERY MEETS THE FOLLOWING CRITERIA



UL 2580



UL 1564



UL 1642



ISO 9001



1+1+1>3



Battery



BMS Battery
Management System



Charger

TECHNOLOGY INTEGRATION

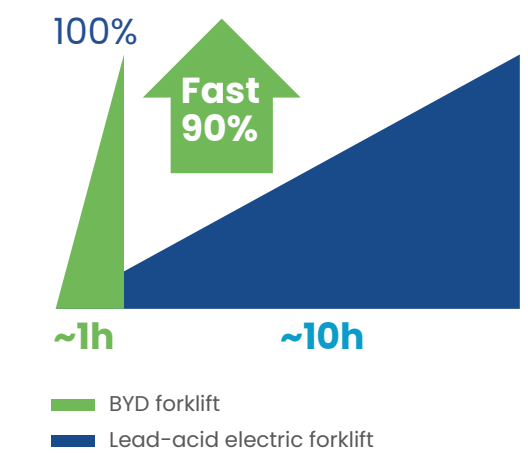
Battery + BMS + charger three perfect integration, in-depth matching, non-successive synergies, forming an inseparable whole, to play 1 + 1 + 1 > 3 integration strength, the product advantage embodied to the fullest!

CREATE VALUE FOR CUSTOMERS WITH EXCELLENT TECHNOLOGY

BYD has all the technical genes to develop and manufacture high-quality electric forklifts.

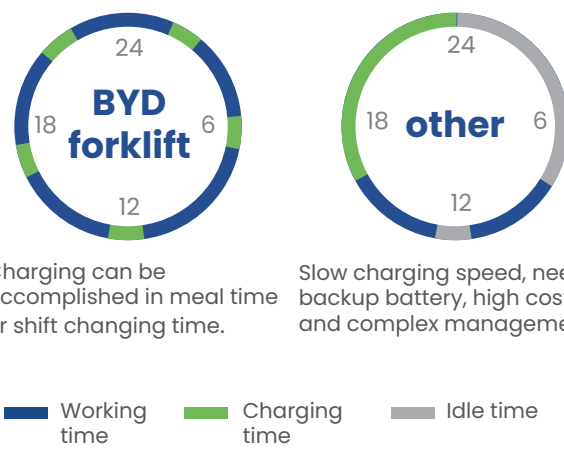
CHARGE

The disruptive battery and fast charging technology can reduce charging time by up to 90%.



OPPORTUNITY CHARGING

Fast charging makes vehicle gapless working possible, shorten the waiting time and increase efficiency in large extent.



SUPER LONG WORKING LIFE

BYD lithium battery could repeat 4000 circles while keep the capacity of 65% in normal charge - discharge condition, with a working life that reaches 10 years.

Battery consumption for 10 years



STRONG POWER, WHICH COULD COMPETE WITH FUEL FORKLIFT

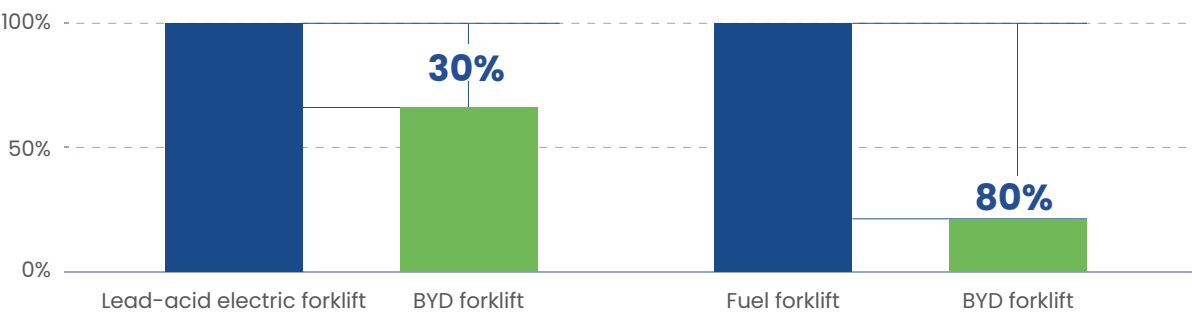
NO matter what kinds of harsh working conditions, BYD forklift can deal with easily.

Dynamic parameter comparison

	BYD forklift	Lead-acid electric forklift
Max.gradeability, with/without load	15%-20%	10%-15%
Travel speed with/without load	15-20 km/h	10%-15%
Lifting speed with/without load	400-450 mm/s	300%-350%

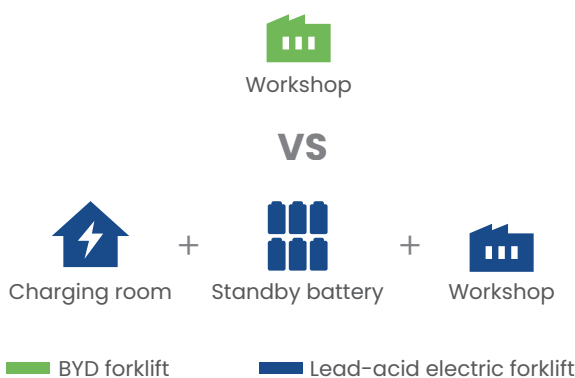
LOW OVERALL COST

According to five years of data tracking, BYD forklifts can save up to 80% of the total cost compared with fuel forklifts, and 30% compared with Lead-acid electric forklift, in terms of detailed statistics on work shifts, shift times, loading conditions, maintenance costs, and purchasing costs.



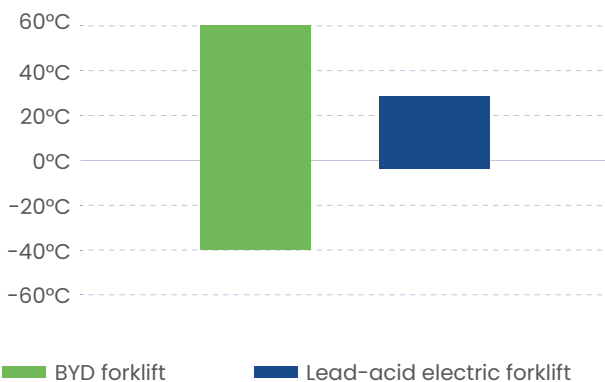
NO NEED FOR CHARGINGROOM

No need for charging room, electrolyte or back-up battery.BYD forklift could deal with any working condition.



SUITABLE FOR COLD STORAGE OPERATION

After passing the extreme test of low temperature -40℃, the battery performance is still excellent, and can easily adapt to the needs of cold storage operations



COMPLETE PRODUCT RANGE

BYD FORKLIFT IS ABLE TO DEAL WITH ANY WORKING CONDITION
WITH ITS PRODUCT



G series small and medium-sized tonnage balance weight



ECB16S-B/ECB16S-C

Load: 1.6T
Weight: 3340KG
Turning radius: 1860mm
Voltage: 80V
Capacity: 270Ah



ECB18S-B/ECB18S-C

Load: 1.8T
Weight: 3490KG
Turning radius: 1860m
Voltage: 80V
Capacity: 270Ah



ECB16D-B/ECB16D-C

Load: 1.6T
Weight: 3150KG
Turning radius: 1820mm
Voltage: 80V
Capacity: 270Ah



ECB18D-B/ECB18D-C

Load: 1.8T
Weight: 3300KG
Turning radius: 1820mm
Voltage: 80V
Capacity: 270Ah



ECB35B/ECB35C

Load: 3.5T
Weight: 5500KG
Turning radius: 2210mm
Voltage: 80V
Capacity: 540Ah



ECB20D/ECB20E

Load: 2.0T
Weight: 3620KG
Turning radius: 2020mm
Voltage: 80V
Capacity: 270Ah



ECB25D/ECB25E

Load: 2.5T
Weight: 4220KG
Turning radius: 2020mm
Voltage: 80V
Capacity: 270Ah



ECB30D/ECB30E

Load: 3.0T
Weight: 5270KG
Turning radius: 2270mm
Voltage: 80V
Capacity: 540Ah



ECB20B/ECB20C

Load: 2.0T
Weight: 3600KG
Turning radius: 2020mm
Voltage: 80V
Capacity: 270Ah



ECB25B/ECB25C

Load: 2.5T
Weight: 4200KG
Turning radius: 2020m
Voltage: 80V
Capacity: 270Ah



ECB27B/ECB27C

Load: 2.7T
Weight: 4460KG
Turning radius: 1895mm
Voltage: 80V
Capacity: 270Ah



ECB30B/ECB30C

Load: 3.0T
Weight: 5180KG
Turning radius: 2210mm
Voltage: 80V
Capacity: 540Ah



ECB35D/ECB35E

Load: 3.5T
Weight: 5600KG
Turning radius: 2270mm
Voltage: 80V
Capacity: 540Ah



ECB40B/ECB40C

Load: 4.0T
Weight: 6750KG
Turning radius: 2600mm
Voltage: 80V
Capacity: 810Ah



ECB45B/ECB45C

Load: 4.5T
Weight: 7030KG
Turning radius: 2600mm
Voltage: 80V
Capacity: 810Ah



ECB50B/ECB50C

Load: 5.0T
Weight: 7350KG
Turning radius: 2600mm
Voltage: 80V
Capacity: 810Ah

COMPLETE PRODUCT RANGE

BYD FORKLIFT IS ABLE TO DEAL WITH ANY WORKING CONDITION
WITH ITS PRODUCT



EL-PRO series small and medium-sized tonnage balance weight



EL20 PRO

Load: 2.0T
Weight: 3550KG
Turning radius: 2110mm
Voltage: 80V
Capacity: 270/540Ah



EL25 PRO

Load: 2.5T
Weight: 3800KG
Turning radius: 2110mm
Voltage: 80V
Capacity: 270/540Ah



EL30 PRO

Load: 3.0T
Weight: 4500KG
Turning radius: 2440mm
Voltage: 80V
Capacity: 270/540Ah



EL35 PRO

Load: 3.5T
Weight: 4820KG
Turning radius: 2440mm
Voltage: 80V
Capacity: 270/540Ah



EL38 PRO

Load: 3.8T
Weight: 4960KG
Turning radius: 2540mm
Voltage: 80V
Capacity: 270/ 540Ah



ECB60C

Load: 6.0T
Weight: 11800KG
Turning radius: 3100mm
Voltage: 80V
Capacity: 1080Ah



ECB70C

Load: 7.0T
Weight: 12500KG
Turning radius: 3100mm
Voltage: 80V
Capacity: 1080Ah



ECB80C

Load: 8.0T
Weight: 13300KG
Turning radius: 3100mm
Voltage: 80V
Capacity: 1080Ah

Reach Truck



RTR16

Load: 1.6T
Weight: 4070KG
Turning radius: 1758mm
Voltage: 80V
Capacity: 270/340Ah



RTR20

Load: 2.0T
Weight: 4170KG
Turning radius: 1758mm
Voltage: 80V
Capacity: 270/340 Ah



R18PS

Load: 1.8T
Weight: 2515G
Turning radius: 1750mm
Voltage: 48V
Capacity: 210/420Ah



R15PS

Load: 1.5T
Weight: 2375KG
Turning radius: 1600mm
Voltage: 48V
Capacity: 210/420Ah

COMPLETE PRODUCT RANGE

BYD FORKLIFT IS ABLE TO DEAL WITH ANY WORKING CONDITION
WITH ITS PRODUCT



Pallet stacker

Towing tractor



SZ14PS-G

Load: 1.4T
Weight: 1220KG
Turning radius: 1802mm
Voltage: 24V
Capacity: 210Ah



S14PS

Load: 1.4T
Weight: 1180KG
Turning radius: 1490mm
Voltage: 24V
Capacity: 210Ah



S14JW

Load: 1.4T
Weight: 1200KG
Turning radius: 1456mm
Voltage: 24V
Capacity: 210Ah



Q30TJS

Load: 3.0T
Weight: 606KG
Turning radius: 1013mm
Voltage: 24V
Capacity: 210Ah



QD50

Load: 5.0T
Weight: 980KG
Turning radius: 1580mm
Voltage: 48V
Capacity: 210Ah



Q50TPS

Load: 5.0T
Weight: 1065KG
Turning radius: 1164mm
Voltage: 24V
Capacity: 210Ah

Pallet truck



P20JW

Load: 2.0T
Weight: 490KG
Turning radius: 1515mm
Voltage: 24V
Capacity: 210Ah



P20PS

Load: 2.0T
Weight: 650KG
Turning radius: 1750mm
Voltage: 24V
Capacity: 210Ah



P20PS-U

Load: 2.0T
Weight: 1650KG
Turning radius: 1680mm
Voltage: 24V
Capacity: 210Ah



P20PS-B

Load: 2.0T
Weight: 880KG
Turning radius: 2200mm
Voltage: 24V
Capacity: 210Ah



Q250LS

Load: 25.0T
Weight: 3750KG
Turning radius: 3665mm
Voltage: 80V
Capacity: 540Ah



Q250L

Load: 25.0T
Weight: 3750KG
Turning radius: 3530mm
Voltage: 80V
Capacity: 540Ah



Q250L-01

Load: 25.0T
Weight: 4230KG
Turning radius: 3530mm
Voltage: 80V
Capacity: 540Ah

COMPLETE PRODUCT RANGE

BYD FORKLIFT IS ABLE TO DEAL WITH ANY WORKING CONDITION
WITH ITS PRODUCT



Logistics Robotics



AR16P

Load: 1.6T
Weight: 4200KG
Turning radius: 1850mm
Voltage: 80V
Capacity: 270Ah



AS14MPW

Load: 1.4T
Weight: 1200KG
Turning radius: 1550mm
Voltage: 24V
Capacity: 210Ah



ANS15

Load: 1.5T
Weight: 4200KG
Turning radius: 1481mm
Voltage: 24V
Capacity: 210Ah



AP20MPW

Load: 2.0T
Weight: 650KG
Turning radius: 1740mm
Voltage: 24V
Capacity: 210Ah



AQ30MPW

Load: 3.0T
Weight: 520KG
Turning radius: 1260mm
Voltage: 24V
Capacity: 210Ah



AF10D

Load: 1.0T
Weight: 230KG
Turning radius: 600mm
Voltage: 48V
Capacity: 45Ah



AF06D

Load: 0.6T
Weight: 200KG
Turning radius: 525mm
Voltage: 48V
Capacity: 27Ah

CUSTOMIZED PRODUCTS



PAPERMAKING INDUSTRY



COLD-CHAIN INDUSTRY



AUTOMOBILE INDUSTRY



FEED INDUSTRY



SPECIAL CO

PROFESSIONAL CUSTOMIZATION SERVICE

Customization service

BYD forklift always focuses on customers usage experience. According to customer's industry and forklift's working condition, we provide our customers with precise customization service and complete solutions, satisfying their different necessity.



Mast customization



Professional attachment matching



Optional driving cab upgrade



Selectable truck body colors



Optional finger-control system



Optional dual joysticks



Optional dual pedal



Optional electromagnetic brake



INDOOR LOGISTICS COMPREHENSIVE SOLUTIONS

Based on the new energy technology, BYD forklift could offer our customers with the one-stop indoor logistics comprehensive solutions, decrease material handling cost and increase material handling efficiency. Using the green low-carbon revolutionary technology and products, BYD forklift can apply to various complicate working conditions smoothly, which creates greater value to our customers.



Logistics planning & warehouse layout design



Vehicle management system



Material equipment evaluation & optimization



Automatic forklift solutions



Mechanical manufacturing



Logistics



Building materials



Petrochemical&New Energy



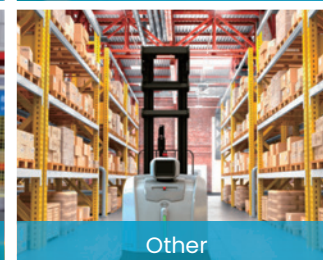
Light industry



Medical devices



3C



Other



EXTERNAL OBJECTS



External system

- MES Manufacturing Execution System
- WMS Warehouse Management System



External equipment

- Elevator
- Automatic Door
- Roller Conveyor

SOFTWARE



Software

- RCS Robot Control System

- Vehicle motion control program
- Navigation and positioning core algorithm
- Vehicle monitoring and diagnosis display screen program
- Host system and WCS system

HARDWARE



Robot



Charging cabinet

ROBOT SCHEDULING SYSTEM

A visual intelligent scheduling system can achieve multi vehicle joint debugging and rapid deployment. Functions are available, such as large-scale cluster scheduling, path planning, collision avoidance, real-time monitoring, task management, vehicle management, and data analysis. Our system are tightly integrated with MES, WMS, ERP and other systems, and are connected to the entire factory datachain, enabling us to quickly provide enterprises with intelligent manufacturing solutions.



DEVELOP WITH CUSTOMERS



OUR APPLICATIONS



Food and Beverage Industry



Paper industry



Automobile and parts industry



Logistics industry



Household appliance production industry



Plate industry



Processing and manufacturing



Ceramics industry



Beer industry



The pharmaceutical industry



Airport Port Logistics industry



Wine industry



Feed industry



Household appliance industry



Drinking water industry

INDOOR LOGISTICS COMPREHENSIVE SOLUTIONS



DEVELOP WITH CUSTOMERS



LEADING THE INDUSTRY IN SERVICE REVOLUTION

HIGH QUALITY ASSURANCE STANDARDS

Long-term quality insurance changes traditional business model of forklift industry
Charging-room-free changes forklift management model
BYD forklift applies the highest quality insurance standard: 2-year-long warranty for whole truck, 5-year-long warranty for battery
Super long quality insurance and low operation cost ensure the customer with great experience.



High quality assurance



Low cost



Worry-free aftersaleservice



Vehicle warranty

1 year

2 year



Battery warranty

1 year

5 year

Other mainstream electric forklifts BYD forklift

ADAPT TO MULTIPLE WORK ENVIRONMENTS

No need for charging room, electrolyte or back up battery
BYD forklift could deal with any working condition.



CUSTOMER FOCUS SERVICE PRINCIPLE

- Comprehensive distribution
- Make service assurance always close to every customers.
- BYD forklift has established global network and high standard after-sale service team, which could offer our customer with satisfying efficient one-stop service.



CUSTOMER FOCUS SERVICE PRINCIPLE



Service system



Training system



LMS Training Academy



400 Smart Customer Service



400 intelligent customer service



Customer service center



DMS service system



Intelligent Wearing

EFFICIENT AND FAST PROCESSING PLATFORM

400 SMART CUSTOMER SERVICE

Deep concatenation.
Various service before, during, and after sales
Fully meet customer needs.



BYD FDS

Portable intelligent diagnostic app



INTELLIGENT WEARING

Realizing real-time audio and video synchronization at the front-end.
Remote operation guidance
Improving the timeliness of after-sales service.



Video surveillance



Voice call



Personnel positioning



Electronic fence



Image acquisition



Near electric warning



Drop alarm



Hazard rescue



Climbing warning



Track playback

Rental solutions

BYD forklift offers our customers with matured financial leasing and operational leasing solutions

Financing leasing

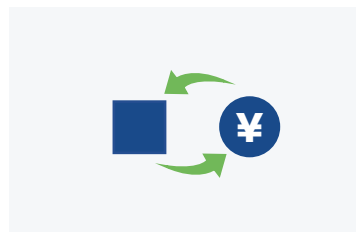
According to the customer's necessity & credit, customized financial leasing plan could be provided.



Low one-time investment



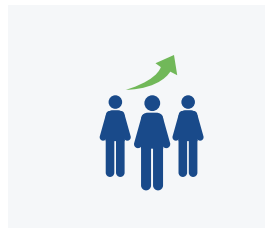
Grading rate



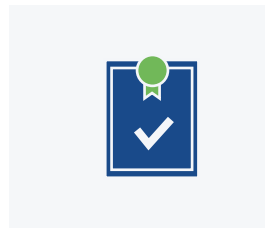
Leased properties



Strong financial strength



Professional&efficient



Convenient application



Prudent auditing

Operational leasing

BYD forklift provides customers with flexible operational leasing plan, adapting to customers needs in usage & finance.



LOW ONE-TIME INVESTMENT

Relieve short-term financial pressure

high
pressure



FLEXIBLE LEASING PERIOD

Short-term & long-term are both available



Long term

VS



short-term



STRONG ADAPTION

Changeable leasing period & rate



LEASED PROPERTIES COULD BE DISPOSED FLEXIBLY

After one leasing period, customers could choose to off-lease or to renew





Through fulfilling social responsibilities consistently, BYD commits to share the beautiful future e with its employees, the society and the environment

Through changing energy consumption structure,BYD is devoted to work for human's sustainable development

BYD believes that technology could change the world and benefit for mankind.BYD has not only the green dreams, but also the science technologies that could change that dreams into reality.Based on the cutting-edge new energy technology, BYD has built "four green dreams":solar power plants,energy storage stations,electric vehicles and rail transportation to change the traditional energy consumption ways and the environ-ment,and to achieve the goal of sustainable human development.

THE GREEN DREAMS