



# Powering the Future

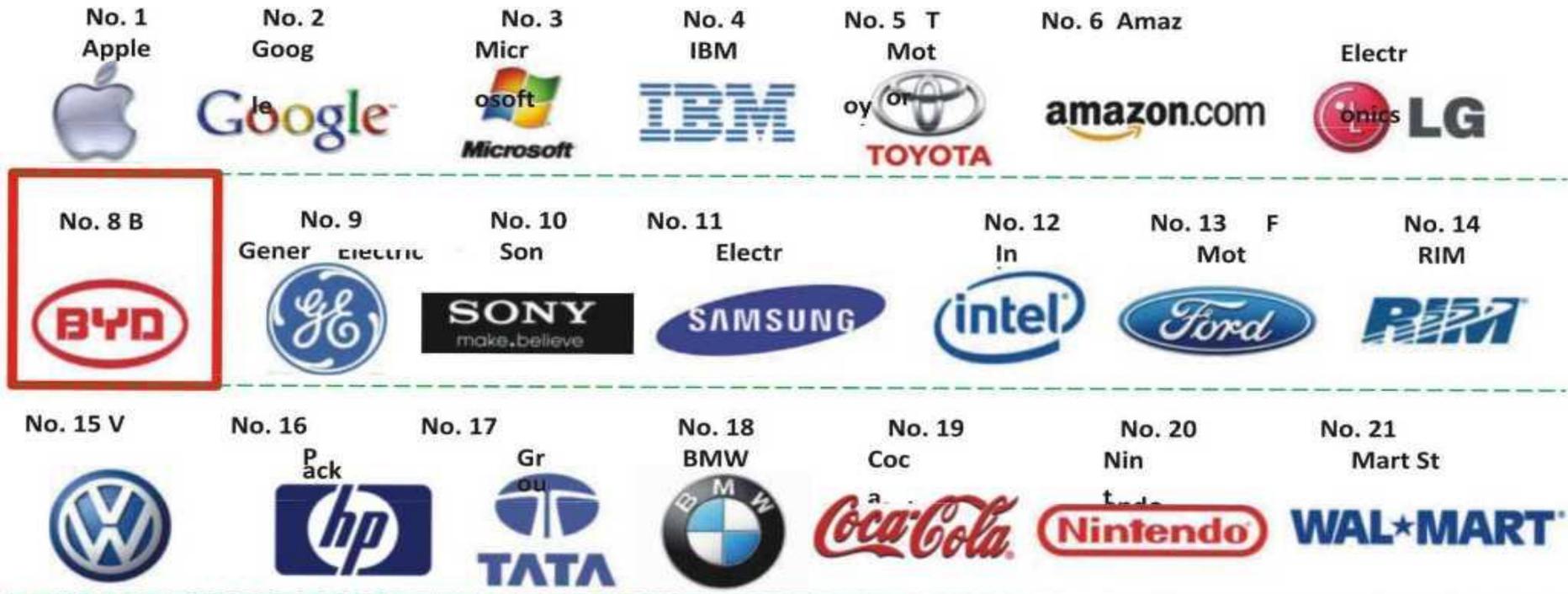
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September 2015



# WHO IS BYD?

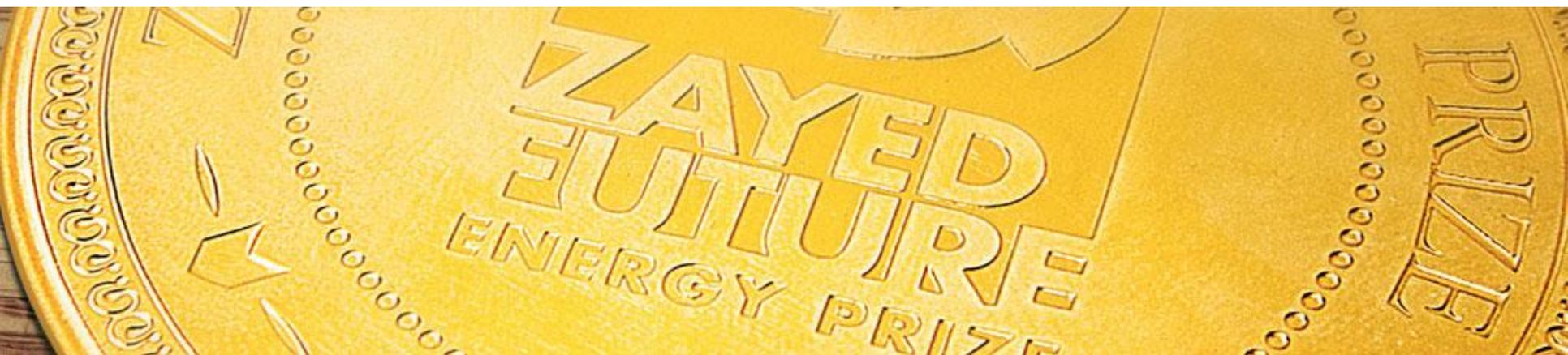
Named 8<sup>th</sup> most innovative company in the world in 2010 by Bloomberg





# WHO IS BYD?

**Lifetime achievement award winner in 2014 Chuan Fu Wang**





# WHO IS BYD?

Fortune's 2015 ranked #15 "WORLD CHANGING COMPANIES"

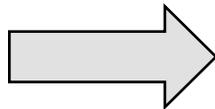


FORTUNE		CHANGE THE WORLD	2015
11.		<b>MasterCard</b> MA, 1.86 % Consumer Finance	
12.		<b>Grameen Bank</b> Banks	
13.		<b>Alibaba</b> BABA, 1.32 % Internet Software & Services	
14.		<b>Danone</b> Food Consumer Products	
15.		<b>BYD</b> Motor Vehicles	
16.		<b>Cemex</b> CX Construction Materials	

# Who is BYD?

## ■ Company History

1. Consumer Electronics: started in 1995 making components
    - Motorola Razor, then Nokia, Samsung, HP, Microsoft Surface
    - Currently world's largest manufacturer of rechargeable batteries
  2. New Energy: solar, battery storage, LED lighting
  3. Transportation: entered automotive market in 2003; now China's Leading Brand
  4. \$9B in Revenue; 180,000 employees: 15,000 research engineers
- Battery Production: 10 GWhrs-2015; forecasting 34 GWhrs by 2020
  - 60% investors from USA; Berkshire Hathaway ~10%





# WHO IS BYD?

Ranked #1 Consumer EV maker Globally for past 4 months

**Global Ranking of EV Sales**

Rank	Manufacturer	July, 2015	YTD units sold	% of Global Market	2014 Rank
1	Nissan	3.312	30.417	12	1
2	<b>BYD</b>	<b>5.183</b>	<b>25.592</b>	<b>10</b>	<b>7</b>
3	Tesla	3.115	24.867	10	3
4	Mitsubishi	4.551	24.117	10	2
5	Volkswagen	3.13	18.786	8	11
6	BMW	2.333	15.469	6	9
7	Renault	1.33	13.586	6	8
8	Ford	1.828	11.548	5	5
9	Zotye	886	10.149	4	13
10	Chevrolet	1.592	9.793	4	6



WHO IS BYD?

**Ranked #1 Electric Bus Maker Globally**





WHO IS BYD?

**Ranked #1 Battery Storage System Supplier Globally**



# BYD's 3 Green Dreams

1. Affordable Solar Power
2. Battery Storage
3. Electrified Transportation





# BYD Solar



BYD Solar Farm UK

# BYD Solar



BYD Solar Farm Belgium



# BYD Solar



BYD Solar Farm South Africa

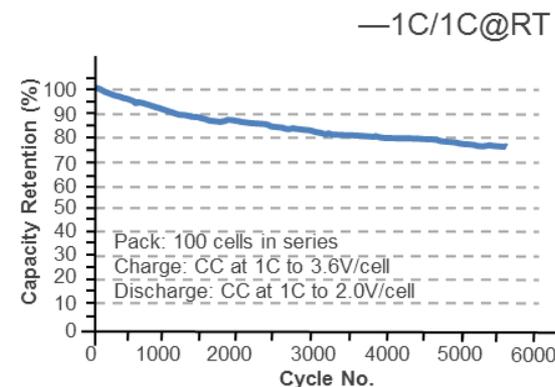
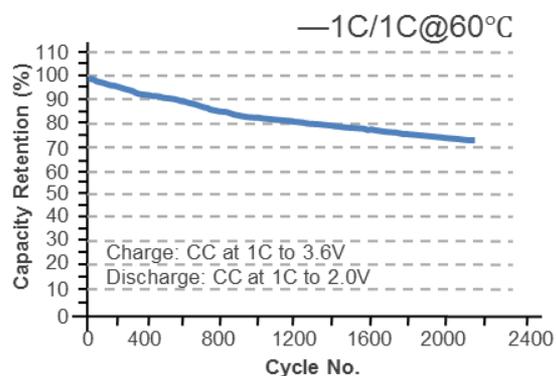
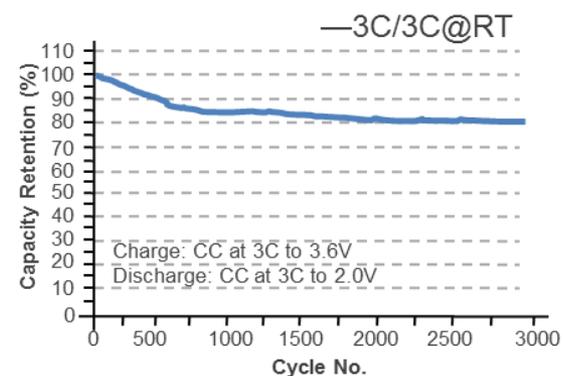
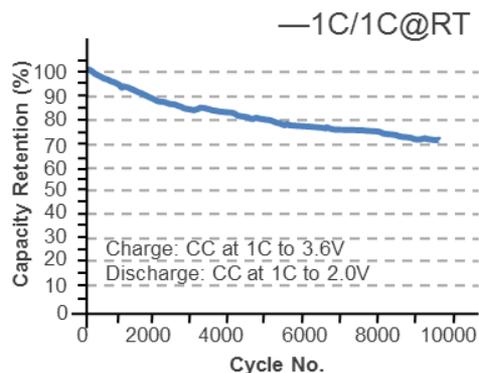
# Technology made possible by the BYD Fe Battery

## BYD Lithium-ion Iron-Phosphate (Fe) Battery Cell



### Life Cycle Tests

- More than 10,000 cycles life
- High energy output and high energy density
- Performs well in high temperature environments
- Excellent consistency



# BYD Energy Storage



BYD Energy Storage System Chicago

# BYD Energy Storage



BYD Energy Storage System Italy

# BYD Energy Storage



BYD Energy Storage System West Virginia



# 7+4+1 Vehicle Electrification Global Strategy

**7**

**+**

**4**

**+**

**1**

## On-Road Transportation



Transit Buses



Taxis



Garbage Trucks



Delivery Trucks



Construction Logistics Vehicles



Coach Buses



Consumer Vehicles

## Off-Road Transportation



Port Vehicles



Airport Vehicles



Material-Handling Vehicles



Mining Vehicles

## Over-the-Road Logistics



Tractor Trucks

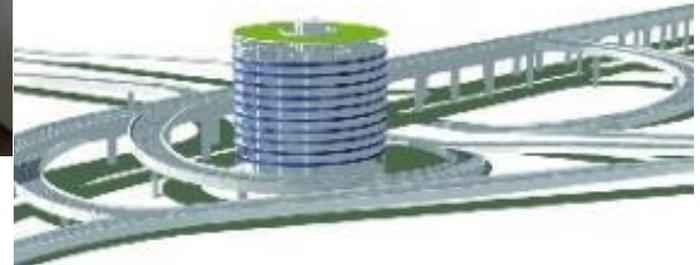


## 7 - On-road Transportation

**By electrifying only 10% of the vehicles on the road (globally), that Reduces the Emissions by 66%!**

On-Road	Category (models)	Emission Ratio	% of Vehicles Globally
1	Transit Buses (K11,K9,K9)		
2	Taxis (e6, e5, e3)	33%	
3	Garbage Trucks (J9G)		10%
4	Delivery Trucks (T3, T5, T7)		
5	Construction Logistics Vehicles (J9C, JB)	33%	
6	Coach Buses (C9, C6)	1%	0.50%
7	Consumer Vehicles (Qin, Tang, Han, Ming, Denza)	33%	90%

## BYD AC Charging



**Compared to standard DC charging technology, BYD AC Charging saves space, reduces cost and requires less maintenance**

**BYD Charging Tower**  
A space efficient charging solution with high power AC capability.



# BYD Bi-Directional Charging Technology

Supports hospitals, police stations and housing facilities in case of emergencies or can be used to power an off the grid special event.

