Powering the Future

September 2015
WHO IS BYD?

Named 8\textsuperscript{th} 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”**

| 11. MasterCard | Consumer Finance |
| 12. Grameen Bank | Banks |
| 13. Alibaba | Internet Software & Services |
| 14. Danone | Food Consumer Products |
| 15. BYD | Motor Vehicles |
| 16. Cemex | 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

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

- 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 System Italy
BYD Energy Storage

BYD Energy Storage System West Virginia
7+4+1 Vehicle Electrification Global Strategy

**On-Road Transportation**
1. Transit Buses
2. Taxis
3. Garbage Trucks
4. Delivery Trucks
5. Construction Logistics Vehicles
6. Coach Buses
7. Consumer Vehicles

**Off-Road Transportation**
1. Port Vehicles
2. Airport Vehicles
3. Material-Handling Vehicles
4. Mining Vehicles

**Over-the-Road Logistics**
1. Tractor Trucks
7 - On-road Transportation

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

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