

Mr. Zhang Jian-hua obtained his graduate degree at the Department of Automation, Tsing-hua University, 1982 and master degree at the Hebei University of Management in 1991. He joined BYD Automobile Co., Ltd. since 2003 and now is the Manager of BYD Power Plant Fourteenth Division.

Before joining BYD, he held several leaderships in products developments:

- 1) UPS uninterruptible power supply products;
- 2) computer switching power supply, industrial switching power supply products;
- 3) General and special inverter products;
- 4) electric vehicles with brushless DC motor and controller;

And now he is leading the development of the following products:

- 1) Battery management system;
- 2) leakage protection;
- 3) DC / DC converter;
- 4) Car Charger (ON-BOARD CHARGER);
- 5) DC charging cabinet (OFF-BOARD CHARGER);
- 6) AC charging pile (CHARGING POLE);
- 7) 10KW electric household energy system landscape;

Involved in the development of the vehicle, including: 316 (EV), F3e (EV), F3DM (HEV), e6 (EV), K9 (EVBUS), etc.

as well as managing the vehicle-related research fields, including:

- 1) Development of motor controller: from the permanent magnet synchronous brushless DC motor controller development;

- 2) Battery Management Design and production;

Battery management system, including centralized and distributed battery management system;

- 3) Car Charger design and production;

- 4) Includes car charger 3.3KW 2KW and Development;

Charged with vehicle-related products include:

- 5) AC charging pile (CHARGING POLE) the design and production;

Included in accordance with the national standard, European standard, the United States the subject of design and manufacturing requirements.

- 6) Non-car charger (OFF-BOARD CHARGER) the design and production;

Developed a power rating: 10KW; 50KW; 100KW; 200KW charging machine;

- 7) The charging station design and construction:

- a) Industrial Park in BYD charging stations were set up five,
Installed capacity: 4000KW at the current stage;
- b) the establishment of Shenzhen City, China Southern Power Grid Power Charger 3;
Installed capacity: 2000KW;
- c) Group for the establishment of Shenzhen city bus station 3 Charger; capacity: 200KW;

Other products include:

- 8) The chair developed with wind energy, solar energy storage system 10WK;
 - 9) in China Southern Power Grid charging facilities standards;
 - 10) charging facilities in Shenzhen, and the local standards;
 - 11) Ministry of Industry and charging facilities involved in the development of standards;
 - 12) charging facilities in the State Power Association standards;
 - 13) participate in national charging infrastructure standards;
 - 14) Position currently hold: National Electric Power Association, the National Standardization
- He is now the Committee of experts on the standard charging facilities, electric vehicles, 863 major projects assessment experts.