**Keynote Speech**

Good morning, ladies and gentlemen. I am honored to have been invited to speak at this conference. Today, my topic is Development Status and Application Analysis of Vehicle to Grid ( which is short for V2G). I will deliver my speech from the following three main parts:

Why we need to develop V2G?

In response to global climate issues and energy issues, China attaches great importance to energy savings and emission reductions and is vigorously developing low-carbon economies.

What V2G brings to us?

Let us see a series of numbers. By 2019, there are around 3 million electric vehicles in the Chinese market. Even if the average battery capacity of each vehicle for V2G is 20 kW·h, the battery capacity of 3 million electric vehicles will reach 60 GW·h. If all the electric vehicles have V2G function, the energy vehicle is not only a green vehicle but also an energy storage terminal of the energy internet．

What are the challenges we are facing?

1. The construction of charging facilities in China is still not completed and the service network of charging facilities has not yet achieved full coverage．
2. Insufficient demand for the V2G model. There are no large-scale， frequent power outages. Home users have low demand for V2G products.

In conclusion, the development of V2G still has a long way to go. What we should do is learning the mature experience from some developed countries, and apply it to our own systems according to our practical situation flexibly.

Thank you for your attention.