



# NAATBatt 2022 Annual Conference

## CATL Introduction

February 09, 2022



**CATL**

Abbreviation

**2011**

Establishment

**Ningde, Fujian**

Headquarters

**300750**

Stock Code

## Main Business

Provide EV battery systems & services for green transportation



Cell



Module



Pack

Provide solutions and services for clean energy storage



Rack



Container



Power Station

## Global Locations

Headquarters  
Ningde, Fujian

## 4 R&D Centers

China: Ningde, Fujian / Liyang, Jiangsu / Shanghai  
Germany: Munich

## 9 Production Bases

China: Ningde, Fujian / Xining, Qinghai / Liyang, Jiangsu / Yibin, Sichuan / Zhaoqing, Guangdong / Shanghai / Xiamen, Fujian / Yichun, Jiangxi  
Germany: Erfurt

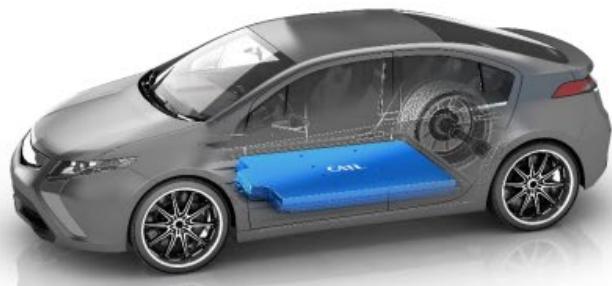




## Passenger Vehicle Solutions

Strong, calm and in control

CATL's passenger vehicle products cover the needs of different segmented markets including BEV, PHEV, HEV, 48V, and 12V, and developed the widest range of OEM partners worldwide.



### Electric Solutions for Personal Application

Maximum endurance mileage **1,000 km**  
Free EV driver from mileage anxiety

Make a significant breakthrough in  
battery system energy density to  
achieve longer endurance mileage  
and more EV driving pleasure.

### Hybrid Vehicle Solutions

Mileage in electric mode **180 km**  
Comprehensive cruising range **800 km**

CATL's hybrid battery cell which is  
small and light, offers surging  
power instantly and makes your  
travel green and efficient.

### Operating Solutions for Electric Vehicles

Optimal warranty of  
**8 years or 800,000 km**  
Fulfill operation requirement in full life cycle

CATL's ultra-long service life  
battery system solution enables  
operating vehicles to operate  
uninterrupted, 24-7-365.

# Electrochemical Energy Storage System Solutions

## Unlimited energy in storage

CATL has always been dedicated to providing safe, efficient and economical electrochemical energy storage solutions worldwide. Our solutions are widely applied to electricity generation, transmission and distribution as well as consumption to optimize energy structure, strengthen electricity system safety and cut energy costs.



### Energy Storage on Power Generation

**Luneng BESS Power Station**  
of Haixi Multi-mixed Energy Demonstration Project  
Scale: 50 MW/100 MWh  
Function: virtual synchronization control, power generation tracking, secondary frequency regulation.



### Energy Storage on Power Grid

**Jinjiang 100 MWh BESS Power Station**  
Scale: 30 MW/108 MWh  
Function: add renewable power to the grid, peak shaving, frequency regulation



### BESS & EMS Project in California

Scale: 70 MWh  
Function: renewable energy combination, frequency regulation, energy arbitrage



### Energy Storage on Power Consumption

**China World Tower BESS Project**  
Phrase I Scale: 250 kW/600 kWh  
Phrase II Scale: 750 kW/1,978 kWh  
Function: energy arbitrage, emergency power, electricity expansion



### The British Mendi BESS Project

**The largest energy storage project in Europe**  
Scale: 99.8 MW/99.8 MWh  
Function: grid frequency regulation, black start, capacity market



### Microgrid

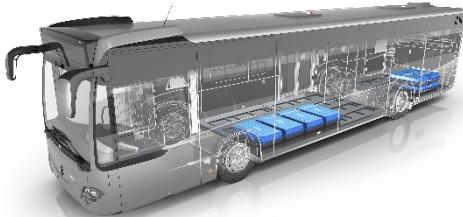
#### Intelligent BESS Charging Station

Innovative All-in-one Solution:

- EV fast charging and battery SOH inspection
- BESS services, help to reduce electricity bills
- V2X enables bidirectional electricity transaction
- Add solar power to the grid, optimizing energy structure

# Commercial Application Solutions

Earn more with each mile



## Road Passenger Transport Solutions

CATL provides safe, reliable, durable road passenger transport solutions customized for various working conditions and transport scenarios, to build an environmentally friendly transport system.



## Urban Delivery Solutions

Start with safe, reliable and economical principle, CATL provides comprehensive battery system solutions suitable for light trucks, mini-buses and minivans used in multiple delivery scenarios and other applications, accelerating urban logistics' electrification.



## Urban Street Cleaning Solutions

To promote the Blue Sky Protection Campaign, CATL developed customized solutions for all kinds of sanitation vehicles. The batteries are safe and feature a strong environmental adaptability.



## Heavy-duty Transport Solutions

CATL provides strong and clean power for heavy-duty vehicles in mining areas, ports, and construction sites in complex conditions, to significantly improve operational efficiency and get to the root of the mobile pollution problem.



# Questions?

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