

**REPT  
BATTERO**

**TSINGSHA**

## **COMMERCIAL APPLICATIONS**

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REPT ENERGY

DRIVING A SUSTAINABLE FUTURE



# COMPANY

## INTRODUCTION

### ➤➤ Tsingshan Holding Group

Tsingshan Industry has invested in the new energy field by combining its rich mineral resources. Adhering to the mission of 'Refining a hundred years of stainless steel, building a green future', REPT BATTERO enjoys the unique resource integration ability and synergy advantage of the whole industrial chain conferred by Tsingshan Industry, and has become one of the fastest-growing battery producers in the industry.

**NO.1**

Global stainless steel crude steel production output

**NO.1**

Global nickel metal production output

**NO.247**

Fortune global 500 companies in 2025

**185000+**

Total employees in 2025

### ➤➤ REPT BATTERO

REPT BATTERO Energy Co., Ltd. was established in 2017. As the first new energy enterprise deployed by Tsingshan Industrial, a Fortune Global 500 company, it focuses on the R&D, production, and sales of lithium-ion batteries, providing solutions for new energy vehicle power and smart energy storage.

The company has R&D centers in Shanghai, Wenzhou, and Jiaxing, and production bases in Wenzhou, Jiaxing, Liuzhou, Foshan, and Chongqing. Its first overseas battery factory in Indonesia is under construction. By 2025, the company's total production capacity is expected to exceed 90CWh.

In 2024, it ranked 5th globally in energy storage cell shipments, 2nd globally in household energy storage battery shipments, 3rd nationwide in new energy heavy-duty truck installation volume, and 6th domestically in lithium iron phosphate (LFP) power cell shipments. In the first half of 2025, it ranked 2nd nationwide in heavy-duty truck battery shipments. In the first three quarters of 2025, it ranked 1st globally in both household energy storage battery shipments and commercial & industrial energy storage battery shipments.

**BNEF Tier1**

Bloombergnef tier 1 energy storage manufacturers

**\$ 2.5 Billion**

Sales revenue in 2024

### ➤➤ Main Business

Supplying power battery systems and services for green transportation networks



Cells



Modules



Battery Packs

Supplying solutions and services for clean energy storage



Electrical Cabinet



Energy Storage Systems



Energy Storage Stations

### ➤➤ Manufacturing Plant



WENZHO, CHINA



LIUZHOU, CHINA



CHONGQING, CHINA



JIAXING, CHINA



FOSHAN, CHINA



MALUKU, INDONESIA

# Commercial Vehicle Battery Product Matrix



Capacity/Model		206Ah	215Ah	223Ah	230Ah	267Ah
Nominal voltage (V)		3.22V	3.22V	3.73V	3.22V	3.22V
Size(mm)		36*200*215	47*200*190	41*173*204	54*174*204	54*174*215
Energy Density		185Wh/kg	170wh/kg	248wh/kg	180wh/kg	193Wh/kg
Cycle life		6000Cycle	8000Cycle	4500Cycle	7000Cycle	7000Cycle
Storage Temperature		-40~60	-40~60	-40~60	-40~60	-40~60
Weight		3.55±0.08kg	4.05±0.08kg	3.3±0.05kg	4.19±0.1kg	4.7±0.1kg
Charge Discharge Rate		2.8C@10-80%SOC	1C@0-100%SOC	10-80%SOC 0.8C	10-80%SOC 2.2C	10-80%SOC 1.2C
Operating Temperature	Charging	-10-65℃	-10-65℃	-20≤T≤55	-10-65℃	-10-65℃
	Discharging	-35-65℃	-35-65℃	-30≤T≤55	-35-65℃	-35-65℃



Capacity/Model		268Ah	295Ah	324Ah	324Ah	340Ah
Nominal voltage (V)		3.22V	3.73V	3.22V	3.22V	3.22V
Size(mm)		47*200*215	54*173*204	72*174*204	57*200*215	72*174*204
Density		185wh/kg	255wh/kg	190wh/kg	190wh/kg	190wh/kg
Cycle life		7000Cycle	4500Cycle	7000Cycle	7000Cycle	7000Cycle
Storage Temperature		-40~60	-40~60	-40~60	-40~60	-40~60
Weight		4.73±0.15kg	4.3±0.1kg	5.6±0.1kg	5.55±0.15kg	5.68±0.15kg
Charge Discharge Rate		2.8C@10-80%SOC	10-80%SOC 0.8C	10-80%SOC 1C	10-80%SOC 1C	10-80%SOC 1C
Operating Temperature	Charging	-10-65℃	-20≤T≤55	-10-65℃	-10-65℃	-10-65℃
	Discharging	-35-65℃	-30≤T≤55	-35-65℃	-35-65℃	-35-65℃

## ➤ Commercial Vehicle Battery Pack Product Matrix



### Pack-F

Size:	2263*645* 247
Thermal management:	Electric heating, Liquid heating, Liquid cooling
Outer Box Form:	Aluminum pallet box
Energy Density:	>159Wh/kg
Pack Configuration:	1P96S
Nominal Energy:	100.15kWh
Rated Voltage:	309.12V
Weight:	630kg
Application Field:	On-road heavy-Duty truck



### Pack-C/D/G

Size:	950*640*240
Thermal management:	Electric heating, Liquid heating, Liquid cooling
Outer Box Form:	Aluminum pallet box
Energy Density:	160+
Application Field:	Bus



### Rack-S

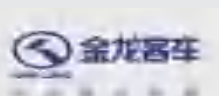
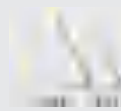
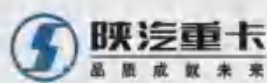
Size:	2400*850*1884
Thermal management:	Electric heating, Liquid heating, Liquid cooling
Outer Box Form:	Aluminum pallet box
Energy Density:	145Wh/kg
Pack Configuration:	3P208S
Nominal Energy:	680kWh
Rated Voltage:	669V
Weight:	4.7T
Application Field:	On-road heavy-Duty truck



### Rack-S

Size:	2400*850* 1391
Thermal management:	Electric heating, Liquid heating, Liquid cooling
Outer Box Form:	Aluminum pallet box
Energy Density:	140Wh/kg
Pack Configuration:	2P208S
Nominal Energy:	450kWh
Rated Voltage:	669V
Weight:	3.2T
Application Field:	On-road heavy-Duty truck

## ➤ Collaborative Brands





## ➤ Application Fields

High-safety, long-lifetime, and long-warranty power battery product series meet the electrification needs of urban buses, micro vans, medium vans, light trucks, heavy trucks (including urban sanitation vehicles), mining trucks, and special vehicles (such as forklifts, aerial work platforms, port operation machinery, etc.).



Heavy truck



Light truck



Commercial sanitation truck



Forklift



Commuter car



Van



Marine



Intercity transportation



Construction machinery

## ➤ ESG Management



Supply Chain Traceability Management

01



Energy Utilization

02



Battery Recycling

03



Waste Emissions and Utilization

04



Employee Production Safety and Health

05



Corporate Social Responsibility System

06

# ESG

### ESG Achievements

- "Participating Companies in the United Nations Global Compact (UNGC) 'SDG Ambition Accelerator'"
- Responsible Business Alliance (RBA) Silver Level Certification
- GB/T 39604-2020 Corporate Social Responsibility Management System Certification
- 2024 Greenlight ESG List Exemplary Case - Exemplary Innovation Contribution List TOP10
- The "2024 Annual Innovation Award - Energy Conservation and Emission Reduction Technology Progress Award" and the "Carbon Neutrality Field Technology Progress Award" issued by the China Energy Conservation Association and the China Quality Certification Center.



Liuzhou Base was awarded Guangxi Zhuang Autonomous Region GreenFactory



Liuzhou Base was awarded Guangxi Intelligent Demonstration Manufacturing Enterprise



Jiaxing Base was awarded Jiaxing city Green Factory



Wenzhou Base and Liuzhou Base were awarded National-level Green Factory



We will establish a development system aligned with the United Nations Sustainable Development Goals, creating a safe and healthy workplace for all employees and a green, eco-friendly community environment to ensure sustainable and rapid growth.

# Global Industrial Layout

■ Annual production of 30,000 tons of battery-grade cobalt sulfate

■ Annual production of 20,000 tons of AG artificial graphite

■ > 9 million tons of nickel metal reserves

■ Resource integration and synergy



● Planned Production Capacity For 2025  
「90GWh+」

● R&D Center  
「Jiaxing | Shanghai  
Wenzhou」

● Production Base  
「Wenzhou | Jiaxing | Liuzhou  
Foshan | Chongqing | Indonesia」

● Indonesia Base  
「Under Construction」

## REPT BATTERO Energy Co.,Ltd.

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