

**REPT
BATTERO**

TSINGSHA

**LEADING BATTERY SOLUTION
PROVIDER FOR ELECTRIC
COMMERCIAL VEHICLE**



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

➤ Main Business

Supplying power battery systems and services for green transportation networks



Cells



Modules



Battery Packs

➤ REPT BATTERO

REPT BATTERO Energy Co., Ltd., founded in 2017, is the first new energy enterprise established by Tsingshan Holding Group, a Fortune Global 500 company. The company specializes in the research, development, production, and sales of lithium-ion batteries, providing solutions for new energy vehicle (NEV) power systems and smart energy storage. REPT BATTERO works hand in hand with customers to accelerate the global transition to green energy.

The company has established R&D centers in Shanghai, Wenzhou, and Jiaxing, and manufacturing bases in Wenzhou, Jiaxing, Liuzhou, Foshan, Chongqing, and Indonesia. By the end of 2024, the total production capacity reached 79 GWh, and is expected to exceed 90 GWh in 2025. In 2024, REPT BATTERO ranked 5th globally in energy storage cell shipments, 2nd globally in residential energy storage battery shipments, 6th domestically in lithium iron phosphate (LFP) power cell shipments, and 3rd in China in battery installations for new energy heavy-duty truck models.

BNEF Tier1

Bloombergnef tier 1 energy storage manufacturers

\$ 2.5 Billion

Sales revenue in 2024

NO.2

Ranked No. 2 in battery loading volume for heavy-duty trucks & battery-swapping heavy-duty trucks in 2025H1

NO.3

2024 ranking of new energy heavy-duty truck models by installation volume

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		324Ah	324Ah	340Ah	268Ah	230Ah
Nominal voltage (V)		3.22V	3.22V	3.22V	3.22V	3.22V
Size(mm)		72*174*204	57*200*215	72*174*204	47*200*215	54*174*204
Energy Density		190wh/kg	190wh/kg	190wh/kg	185wh/kg	180wh/kg
Cycle life		7000Cycle	7000Cycle	7000Cycle	7000Cycle	7000Cycle
Storage Temperature		-40~60	-40~60	-40~60	-40~60	-40~60
Weight		5.6±0.1 kg	5.55±0.15kg	5.68±0.15kg	4.73±0.15kg	4.19±0.1 kg
Charge Discharge Rate		10-80%SOC 1C	10-80%SOC 1C	10-80%SOC 1C	2.8C@10-80%SOC	10-80%SOC 2.2C
Operating Temperature	Charging	-10-65℃	-10-65℃	-10-65℃	-10-65℃	-10-65℃
	Discharging	-35-65℃	-35-65℃	-35-65℃	-35-65℃	-35-65℃



Capacity/Model		267Ah	206Ah	215Ah	295Ah	223Ah
Nominal voltage (V)		3.22V	3.22V	3.22V	3.73V	3.22V
Size(mm)		54*174*215	36*200*215	47*200*215	54*173*204	41*173*204
Density		193Wh/kg	185Wh/kg	170wh/kg	255wh/kg	248wh/kg
Cycle life		7000Cycle	6000Cycle	8000Cycle	4500Cycle	4500Cycle
Storage Temperature		-40~60	-40~60	-40~60	-40~60	-40~60
Weight		4.7±0.1 kg	3.55±0.08kg	4.05±0.08kg	4.3±0.1 kg	3.3±0.05kg
Charge Discharge Rate		10-80%SOC 1.2C	2.8C@10-80%SOC	1C@0-100%SOC	10-80%SOC 0.8C	10-80%SOC 0.8C
Operating Temperature	Charging	-10-65℃	-10-65℃	-10-65℃	-20≤T≤55	-20≤T≤55
	Discharging	-35-65℃	-35-65℃	-35-65℃	-30≤T≤55	-30≤T≤55

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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