

STOCK CODE: 300351

CONNECTION TO FUTURE



JS Yonggui New Energy Technology

Excellent rail transit lithium battery system service provider

Yonggui Profile

Yonggui is a **high-tech enterprise** with 50 years expertise focused on the research and development, manufacturing, sales and technical support of connectors, connector systems and smart precision products. It was listed on **Shenzhen Stock Exchange** in September 2012. The products are distributed in the three major fields of **new energy and vehicle (51%), railway and industrial (44%), special market (5%)**.

Yonggui has **640 national patents**, and has obtained ISO 9001, ISO/TS 22163, CRCC, ETL, UL and IATF16949 certifications.



Total Assets
3,199M CNY



2023 sales
1,518M CNY



2023 profit
101M CNY



Employee
~2171 (32% engineers)

Our Customers Around Global

China



Rest of APAC



Europe



North America



Products – Railway Connectors

Electric coupler, integrated vehicle end connector



Control, high-low voltage, signal vehicle end connector



Control, network, division console connector



Control, network, AC connector



Integrated cabinet & Jumpers



Products – Railway Connection Systems

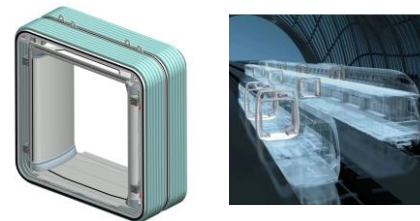
Axle counter



Pantograph & carbon slide



Railway gangway



Automatic Coupler System



Oil pressure damper



Door system



Battery System





Jiangsu Yonggui

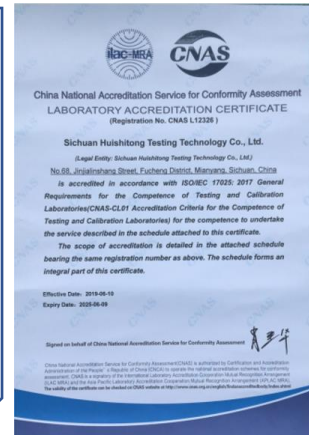
➤ Jiangsu Yonggui focuses on the application and development of rail transit lithium-ion battery system.

- 20 years of battery management system (BMS) development and application experience.
- 10 years of lithium battery system and charging product development and application experience.
- More than 100,000 units in service products.

➤ Qualification certification

- ISO/TS 22163
- ISO 9001
- ISO 14001
- ISO 45001

➤ intellectual property right 24 patents



- R & D team: 26 battery system design experts, including 3 Phd
- Products: Auxiliary power, emergency traction power, power power supply
- Applications: EMUs, Municipal EMUs, Metro Trains, Magnetic Suspending Trains, Trams
Trams, locomotives, etc.



- **Manufacturing field:** Plant area 53000m²
More than 50 sets of advanced production equipment.



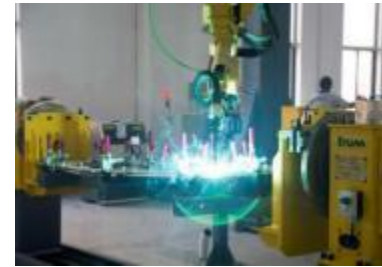
Sheet Metal Processing



Precision Machining



Injection Molding



Welding Processing



No	Customer	Project	Battery System Functions	Quantity
1	CRRC Changke / Tangshan	Fuxing EMU	Auxiliary power supply	55
2	CRRC Sifang	The 600 km of high-speed maglev suspension	Auxiliary power supply + the suspension	1
3	CRRC Sifang	Hydrogen energy intelligent intercity bullet train	Auxiliary power supply + power supply	1
4	CRRC Sifang	The CR450 Next Generation HSR	Auxiliary power supply	1
5	CRRC Sifang	Sichuan-Tibet line	Auxiliary power supply + emergency traction	1

No	Customer	Project	Battery System Functions	Quantity	SOP
1	CRRC Changke	Chongqing Line 27	Auxiliary power supply + emergency traction	32	2025-2026
2	CRRC Sifang	Qingdao Metro Line 7	Auxiliary power supply + emergency traction	30	2024-2025
3	CRRC Sifang	Jiaozhou L1	Power supply	25	2023-2024
4	CRRC Puzhen	Shaoxing Metro Line 2	Auxiliary power supply + emergency lead	7	2022
5	CRRC	Tianjin Metro Line 1 for additional purchase	Auxiliary power supply + emergency lead	4	2024
6	CRRC Puzhen	Shenzhen Metro Line 6 branch line	Auxiliary power supply + emergency lead	2	2022
7	CRRC Dalian	Taiyuan Metro Line 2	Auxiliary power supply + emergency traction	2	2020

No	Customer	Project	Battery System Functions	Quantity	SOP
1	CRRC Changke	City bullet train	Auxiliary power supply	11	2021
2	CRRC Pu Town	City bullet train	Auxiliary power supply	2	2022
3	CRRC Changke	400 km EMU (high and cold)	Auxiliary power supply	1	2019
4	CRRC Tangshan	Cargo bullet train	Auxiliary power supply	1	2019
5	CRRC Tangshan	High-speed testing vehicle	Auxiliary power supply	1	2019
6	CRRC Dalian	Low speed maglev	Auxiliary power supply + the suspension	1	2010
7	CRRC strain machine	Medium speed magnetic levitation	Auxiliary power supply + the suspension	1	2020

No	Customer	Project	Battery System Functions	Quantity	SOP
1	CRRC	Pure electric tram	Power supply	15	2023-2024
2	CRRC Sifang	Lishui hydrogen-powered tram	Power supply	12	2024-2025
3	CRRC	Harbin engineering car	Power supply	2	2019
4	Shanghai Railway Bureau	Dongfeng 7 shunting machine	Power supply	5	2021
5	Shanghai Railway Bureau	machineshop truck	Power supply	1	2020

- At present, lithium batteries in rail transit projects mainly use **lithium titanate batteries** ;
- Compared with traditional batteries, lithium titanate batteries have the advantages of **light weight, long life, high rate** , and better safety than other types of lithium batteries.

Performance Indicators	Lithium titanate battery	Lead-acid battery	Nickel-cadmium battery
Applied Reference	Fuxing / next generation high-speed rail /600km high-speed maglev /urban train / subway/tram, etc.	Subway / Motorcycle	Fuxing /Urban train / Subway/Tram, etc.
Nominal Voltage V	2.3	2	1.2
Energy Density Wh/Kg	80 ~ 106	35 to 40	50 ~ 60
Working Temperature °C	-40 ~ 55	-30 ~ 40	-40 ~ 55
Charge And Discharge Rate C	5C (peak 10C)	1C	2C
Cycle Life, Times	15000	800	2000
Self-discharge Rate (%/ Month)	1 to 2	4 to 6	15 to 20
Memory Effect	None	None	Have
Security	High	High	High
Environmental Protection	Green and environmentally friendly 100% recycled	Not environmentally friendly recyclable	Not environmentally friendly not recyclable
Maintenance Requirements	Maintenance-free	Regular charging and maintenance is required	Regular charging and refilling maintenance is required

Our Culture

» Vision



World class inter-connect supplier

» Mission



Technology connection to future

» Core Value



Diligence & cooperation

YONGGUI

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