



Yonggui Energy Storage Connectors Introduction



Our Company

Yonggui Company (“YGC”) is a **high-tech enterprise** with 51 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 **668 national patents**, and has obtained ISO 9001, ISO/TS 22163, CRCC, ETL, UL and IATF16949 certifications.



Market Value

¥7,343M (\$1.02B)



2023 total sales

¥ 1,933M (\$268M)



Consolidated sales

¥ 1,518M (\$211M)



Employee

~2362 (32% engineers)

*market value at 2024/12/6; USD/CNY = 7.2

50+ Years History of Entrepreneurship

World-Class Interconnect Supplier

- 1973**
Foundation
- 1979**
Build 1st connector
- 2008**
Sichuan Yonggui Set up
- 2009**
High speed train entry
- 2012**
IPO; Enter new energy market



- 2014**
Special market entry
- 2017**
JV with Toyo (Japan)

- 2018**
Yonggui Group establishment
- 2019+**
Business transforming to new energy focus
- 2023**
Globalization
- 2024**
Singapore office & Thailand plant set up

Interconnect Solutions for Key Market Trends

New Energy

Electric vehicles; private charge & public charging; energy storage; wind power



Industrial

Railway, telecom & data center, off road, industry 4.0



Special Segments

Oil & gas, nuclear power plant, civil marine & aviation, eVTOL



Products – Energy Storage Connectors

Industrial application



Cell Pack & BMS



EMS



PCS



Yonggui provides whole solution of power connectors、MSD、RJ45 signal connector、control signal and cables

Liquid-cooled storage connector (ESC-HP)



ESC-HP系列单
芯储能电连接器



| | |
|----------------------|--------------------------------------------------------|
| Rate current | 120A/200A/300A/400A |
| Rate Voltage | 1500V DC |
| Voltage resistance | 6800V AC |
| Temperature | 45K |
| IP Rating | IP67 |
| Application Scenario | Power transmission between storage battery and modules |
| Product Features | Support 360° and multi-angle assembly |
| | Visual and physical easy inspection. |
| | quick connection and separation of switch button |
| | low cost and high performance |

Storage signal connector series (ESC-ST)



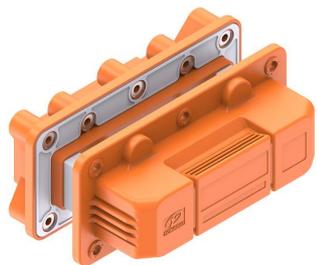
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|----------------------|----------------------------------|
| Pins | 7pins~17pins |
| Rate Current | 5A-13A |
| Rate Voltage | 24V AC |
| Voltage resistance | 200V AC |
| IP Rating | IP67 |
| Application Scenario | battery mouldle、BMS、EMS system. |
| Product features | Multi-pins available |
| | Plastic case ,low cost |
| | Quick locking and easy operation |

Air-cooled connectors (ESC-TP)



| | |
|----------------------|--------------------------------------------------------|
| Rate current | 200A/250A/350A |
| Rate Voltage | 800V-1500V DC |
| Voltage resistance | 3000V/6800V AC |
| Temperature rise | 45K |
| IP Rating | IP20 |
| Application Scenario | Power transmission between storage battery and modules |
| Product features | Screw locking, quick wiring |
| | in front and behind wiring |
| | Low cost, high performance |

MSD (ESC-MSD)



YG1329



YG1052



YG1040



| Model | Secondary locking | Fool-proofing | HVIL | IPXXB | Rating Current | Rate Voltage |
|--------|-------------------|---------------|------|-------|----------------|--------------|
| YG1329 | √ | √ | √ | √ | 150 | 750 |
| YG1052 | √ | | √ | √ | 200 | 750 |
| YG1040 | √ | √ | √ | √ | 250 | 750 |
| YG1130 | √ | √ | √ | √ | 400 | 1000 |

Products – Energy Storage Connectors

Residential application



ESC-M

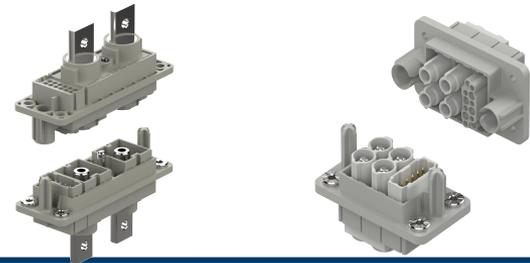
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Socket box /Wall receptacle



Stacked



Low Power Hybrid Series

Wire to Board series



Customized Cables

Storage Relative Cables



New Products Development

The second generation liquid- cooled connector

- ◆ The full series of whole punching process (hole portion), superior temperature and lower cost .
- ◆ 360 degree insertion, rotatable after insertion, completely releasing cable stress.
- ◆ Double Fool-proofing of color and physical key positions.

Rating current 400A capacity ,easy to handle 320AH battery 1C

Development schedule;

- ◆ Trial run : July , 2023
- ◆ Product certification: Sep, 2023



New Products Development

Product features :

- ◆ Vehicle level secondly locking , easy to operate , prevent accidental unlocking and pug-in assemble in place.

The plug length reduced 15% (about 10mm),which is more conducive to cable layout .

- ◆ Maily plastic material made of hight quality PA66+GF25%, which Strength 、 temperature、 and chemical resistance more stable

- ◆ Professinal design of the rubber structure ,the volume compression rate less than 100%, matche with the high-performance rubber with excellent aging performance.

- ◆ Embedded IPXXB design ,more stable and good voltage resistance performance.



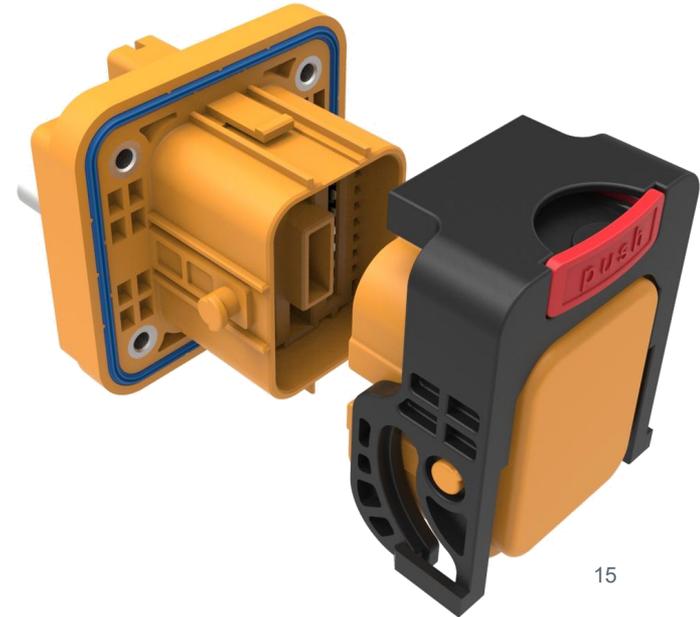
New Products Development

Storage specific MSD

- ◆ specifications of 200A /350A are available ,applied on different charging status .
- ◆ Slice structure, no need fuse , smaller space, and lower cost.
- ◆ Matching high-voltage interlocking, multi segment unlocking, safe operation.

Development schedule:

- ◆ Trail run: Aug, 2023
- ◆ Product certification: Oct , 2023



Our Customers Around Global

China



Rest of APAC



Europe



North America



YONGGUI

CONNECTION TO FUTURE



储能产品部分业绩简介

Storage connectors products application performance

| 大类 Style | 型号 model | 供货量 只/年 Volume (pcs/Year) | 主要客户 Customer |
|-----------------------------------|----------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------|
| 储能连接器 Storage connector | ESC-HP系列 ESC-TP系列 | 40万 400 thousand | 比亚迪、亿纬锂能、南瑞继保、深圳闻储、成都特隆美、惠州乐意通等 BYD、EVE、NR、Wenchu Innovation Technology、Chengdu Telongmei、RoyPow |
| 储能动力线束 Storage cable | ESC-HP系列 ESC-TP系列 ESC-HM系列 | 40万 400 thousand | |
| 储能信号线束 Storage signal cable | ESC-ST系列 | 50万 500 thousand | |