YONGGUI

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 (58%), railway and industrial (36%), special market (6%).**

Yonggui has **726 national patents**, and has obtained ISO 9001, ISO/TS 22163, CRCC, ETL, UL and IATF16949 certifications.

Market Value
¥6,882M ($0.96B)

Consolidated sales
¥ 2,020M ($281M)

Employee
~2534 (34% engineers)

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

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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)

TOYODENKI

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
Unmanned equipment, eVTOL, electric vessels, oil & gas





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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

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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

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Storage signal connector series (ESC-ST)









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

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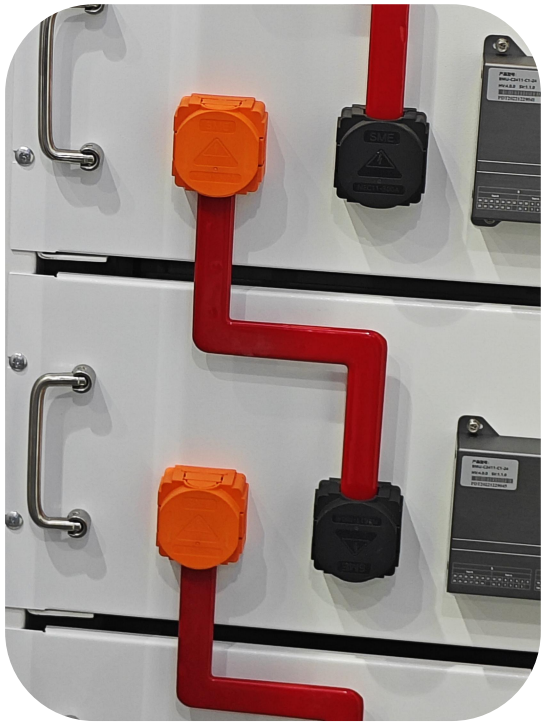
Air-cooled connectors (ESC-TP)





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

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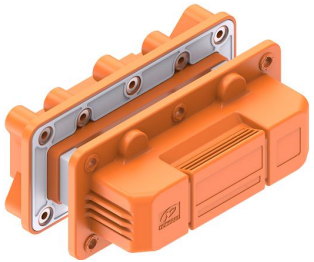
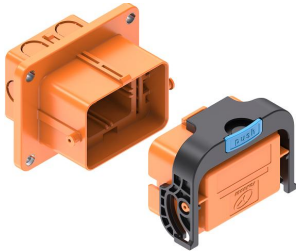
MSD (ESC-MSD)

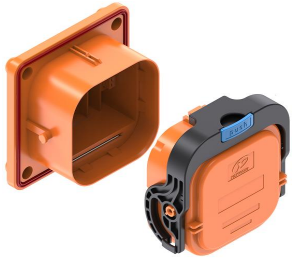


YG1329



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

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Products – Energy Storage Connectors

Residential application

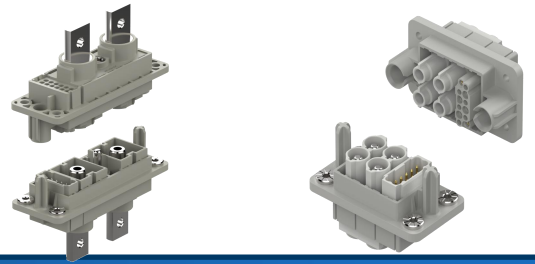
ESC-M
户用储能混装.n



Socket box /Wall receptacle



Stacked



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Low Power Hybrid Series

Wire to Board series







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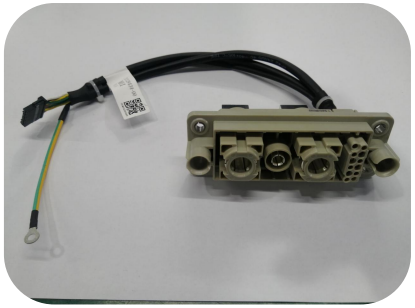
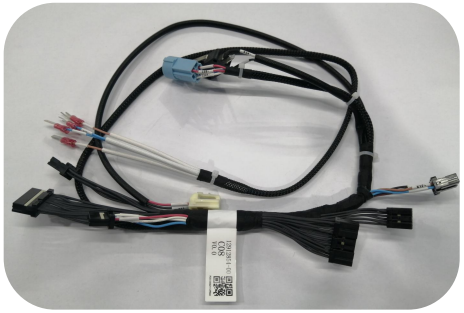
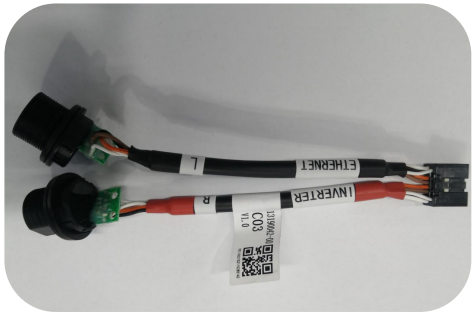
Customized Cables

Storage Relative Cables











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New Products Development

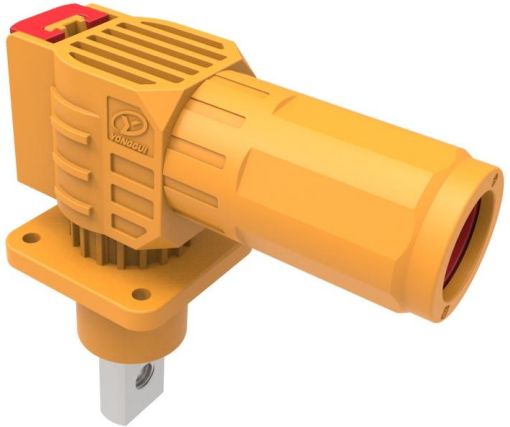
The second generation liquid- cooled connector

- 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



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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 、temparature、and chemical resistance more stable

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

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



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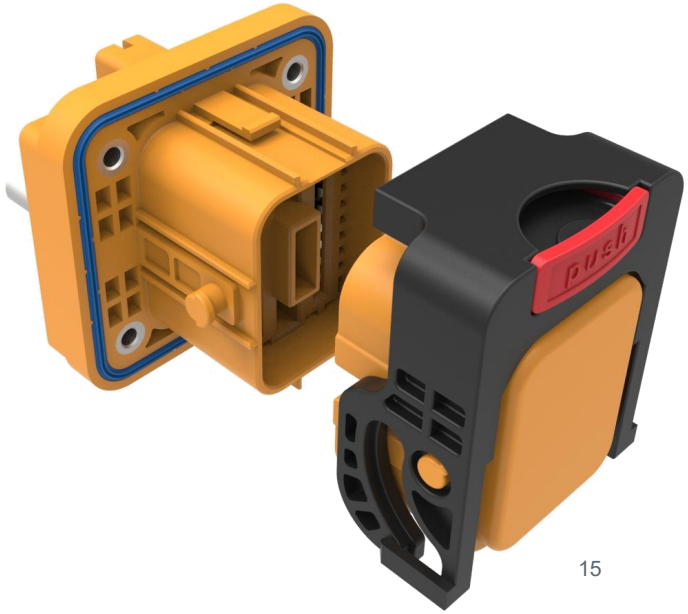
New Products Development

Storage specific MSD

- specifications of 200A /350A are available ,applicated 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



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Our Customers Around Global

China



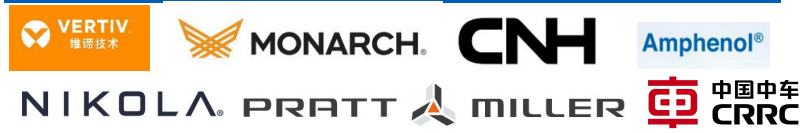
Rest of APAC



Europe



America



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*headquarter based regions

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CONNECTION TO FUTURE

应用业绩 Application Performance

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	

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