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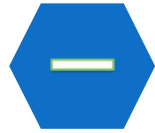
CONNECTION TO FUTURE



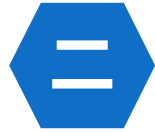
# Communication & Energy Storage Interconnection Solutions



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**Company Overview**



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**Product Testing Capabilities**



**Manufacturing Capabilities**



**Solutions & Key Product Highlights**

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# Company Overview

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# Our Company



Located in Mianyang City, Sichuan Province



The company covers an area of over 120,000 m<sup>2</sup>, with a total plant and office area of 180,000 m<sup>2</sup>.

The completed construction area is 110,000 m<sup>2</sup>.

The Phase II project, currently under construction, will add 70,000 m<sup>2</sup> of building area.

The company is equipped with more than 4,500 sets of R&D and production equipment.



By continuously developing core technologies independently, we provide connector series products and technical services for key national industries, and deliver professional integrated solutions for interconnection systems.

*National Green Factory*

*National High-Tech Enterprise*

*National IP Demonstration Enterprise*

*National Specialized and Sophisticated "Little Giant" Enterprise*



Aerial View



R&D Center Building

# 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  
transition to  
new energy

**2023**  
Globalization  
strategy

**2024**  
Singapore  
office &  
Thailand  
plant set up

**2025**  
Glocalization



# Interconnect Solutions for Key Market Trends

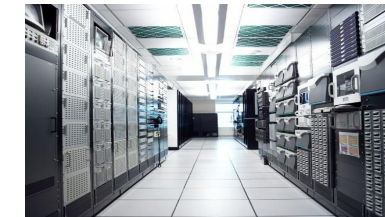
## New Energy

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



## Industrial

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

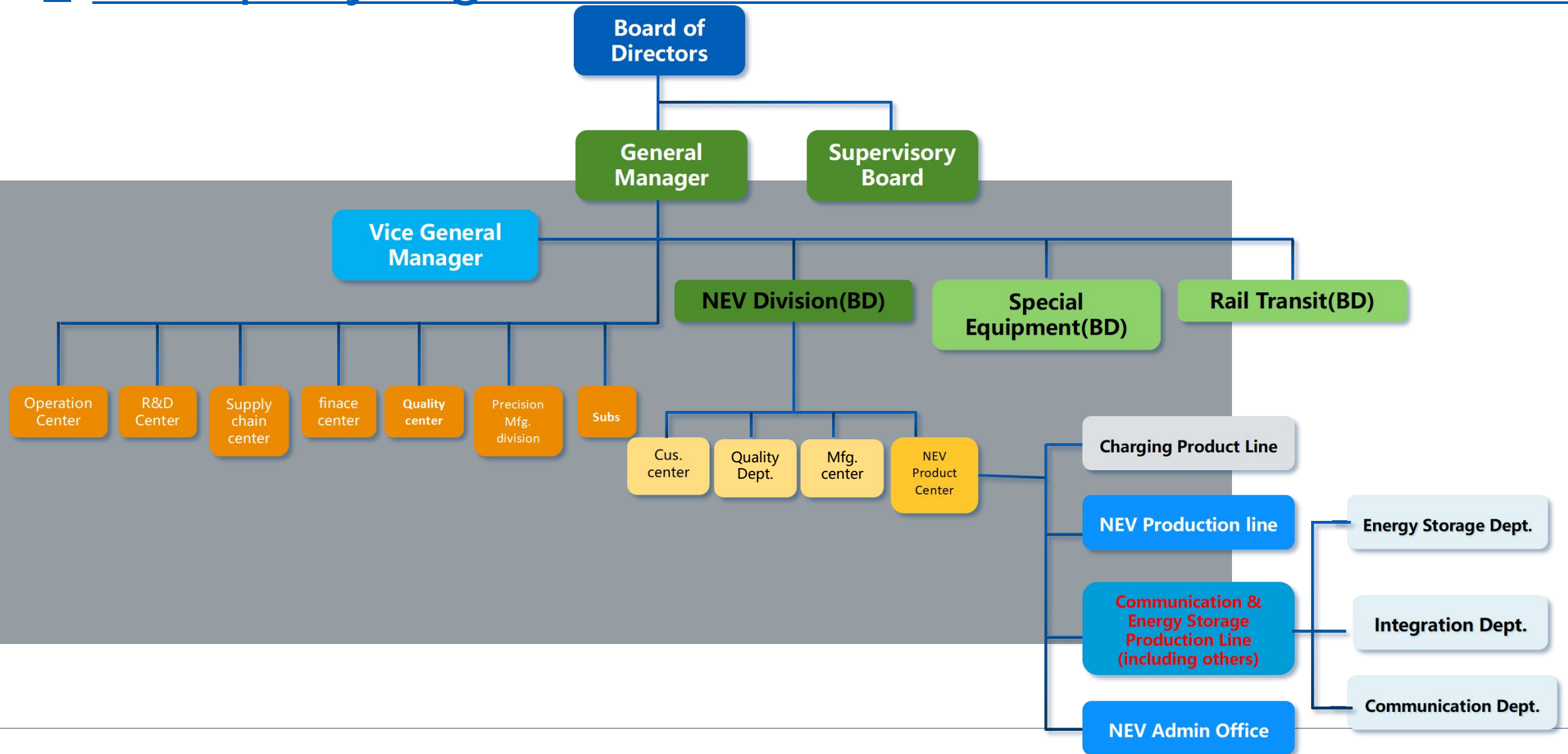


## Special Segments

eVTOL, Un-manned equipment, Oil & gas,



# Company organizational structure



# 2

## Product Development Capabilities

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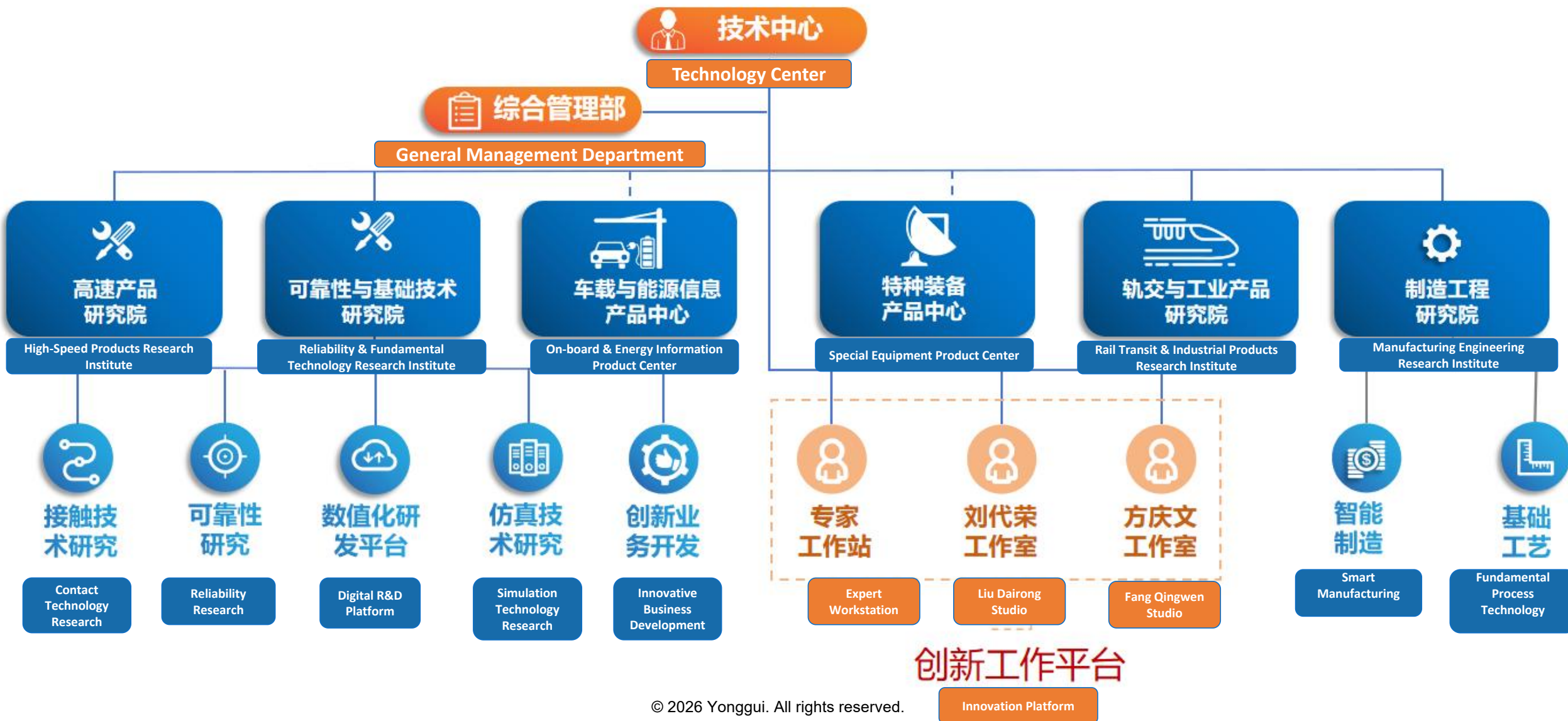


Invention patent **153**

Utility model patents **648**

Appearance patents **36**

# R&D Center Organizational Structure

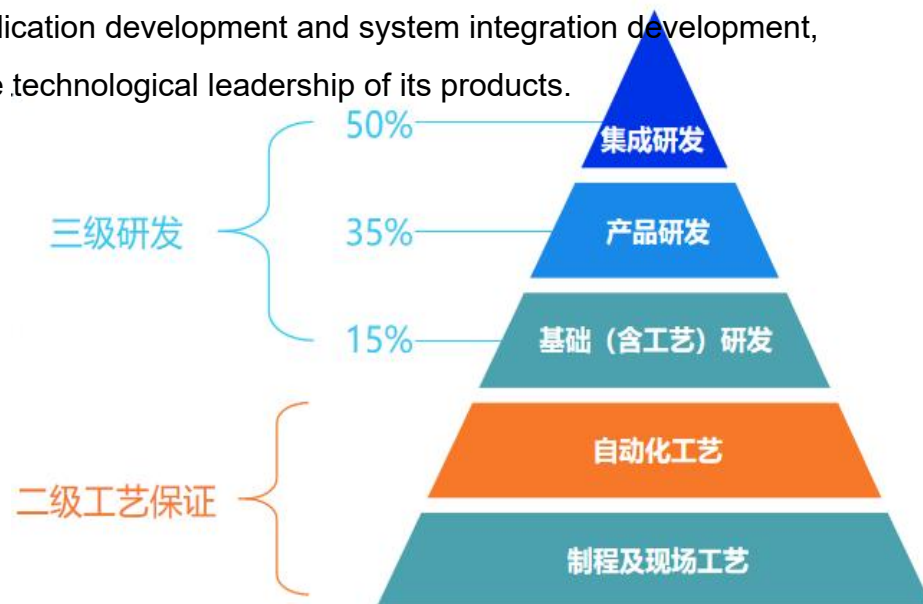




# Team Composition

## Sichuan Yonggui team compisition

- The company is defined as a product-oriented company that advocates an engineering culture.
- Technical personnel account for 30.4% of the total workforce, and the company currently has more than 900 technical staff, including over 600 R&D engineers.
- The company has established a multi-level R&D system, covering everything from basic materials and fundamental manufacturing processes to advanced core technology pre-research, as well as product application development and system integration development, ensuring the technological leadership of its products.

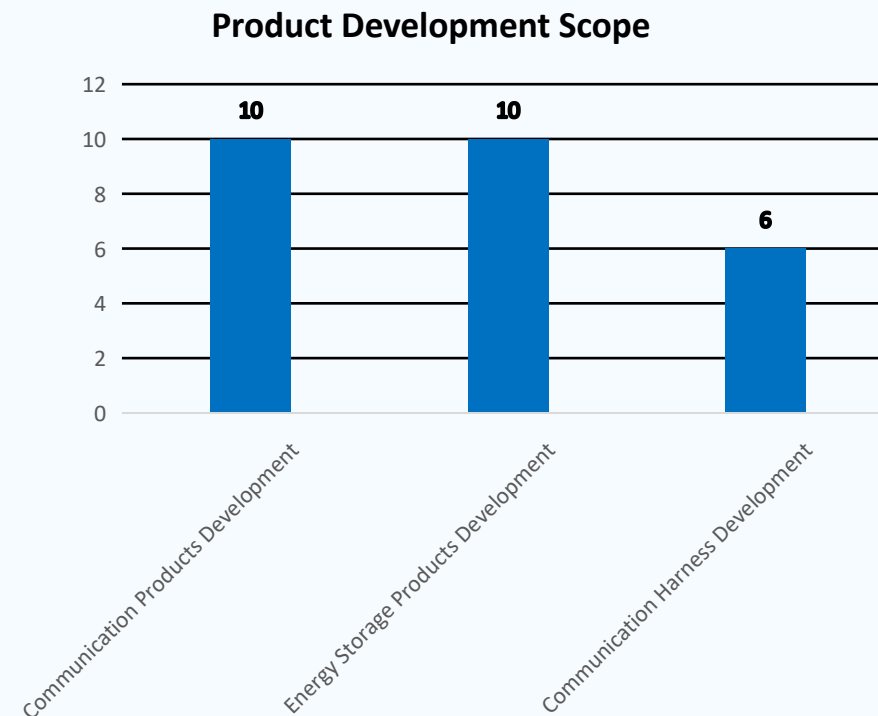


## Communication & Energy Storage Product Line – Team Overview

26 R&D Engineers

1 Department Director

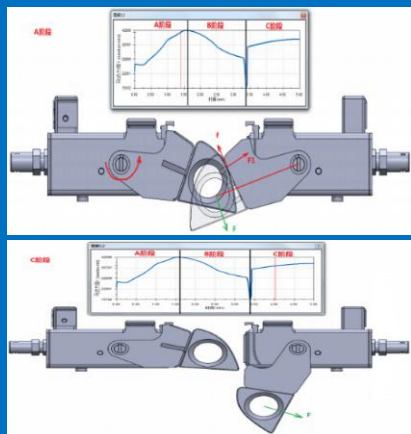
3 Dedicated Product Divisions with the following structure:



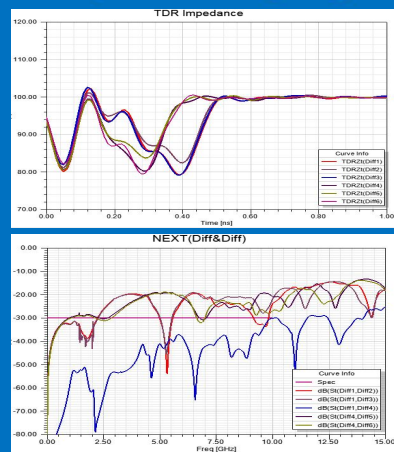


## Comprehensive Simulation Capabilities

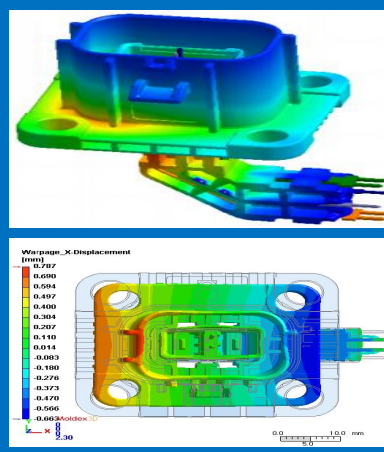
### Structure Strength



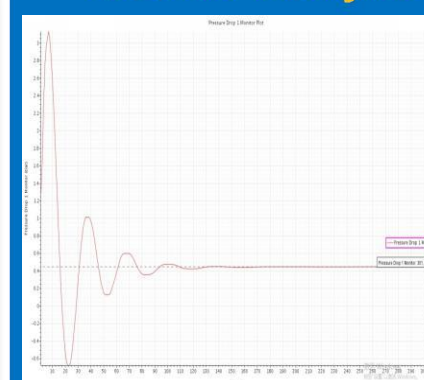
### Signal Integrity



### Mold Flow



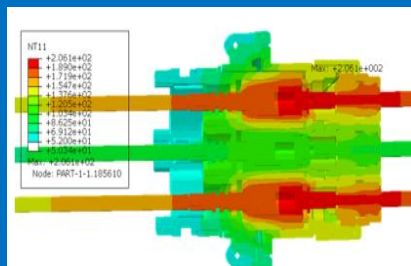
### Thermal Analysis



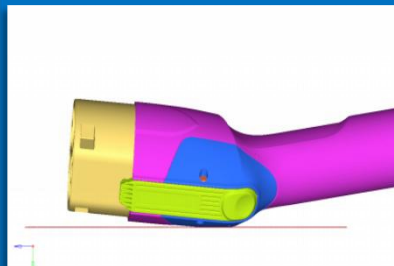
| 液体连接器流阻  | 总流阻      | 动力粘度         |
|----------|----------|--------------|
| 0.200bar | 0.432bar | 0.00394 Pa-s |
| 0.240bar | 0.576bar |              |
| 0.300bar | 0.750bar |              |
| 0.360bar | 0.925bar |              |
| 0.400bar | 1.047bar |              |

| 水管尺寸    | 流量        | 水管+冷却单元流阻 |
|---------|-----------|-----------|
| 直径      | 0.90L/Min | 0.232bar  |
| 6.0mm,单 | 1.20L/Min | 0.336bar  |
| 侧长度     | 1.50L/Min | 0.450bar  |
| 3.5m-环  | 1.80L/Min | 0.565bar  |
| 温23℃    | 2.00L/Min | 0.647bar  |

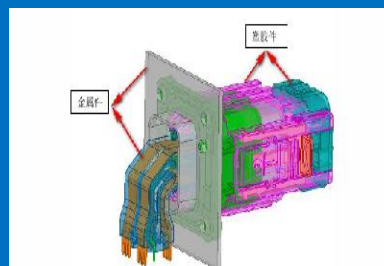
### Thermal Simulation



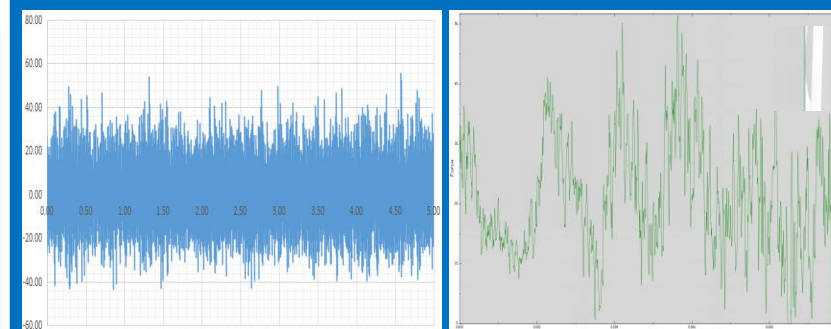
### Drop Test



### EMC



### Transient Simulation



3

## Product Testing Capabilities



# Laboratory Overview



## HST Lab

## SICHUAN HST LAB TECHNOLOGY CO., LTD

**CANS Certified  
Laboratory**

| Building Area      | Number of Employees | Number of Equipment | Equipment Asset Value |
|--------------------|---------------------|---------------------|-----------------------|
| 1600m <sup>2</sup> | 20+                 | 40+                 | ¥10 million           |

**Provincial-Level Testing  
Center**

## CNAS Certificate



## Comprehensive Testing

### Environmental Testing

- High & Low Temperature Testing
- Thermal Shock Testing
- Temperature & Humidity Cycling
- Low Pressure Testing
- Salt Spray Testing
- Chemical Resistance Testing

### Electrical Performance Testing

- Contact Resistance
- Voltage Drop
- Insulation Resistance
- Temperature Rise
- Current Cycling

### Mechanical Performance Testing

- Vibration & Shock Testing
- Impact Testing
- Drop Testing
- Constant Acceleration Testing
- Contact Insertion & Extraction Force
- Connector Mating & Unmating Force
- Strength Testing

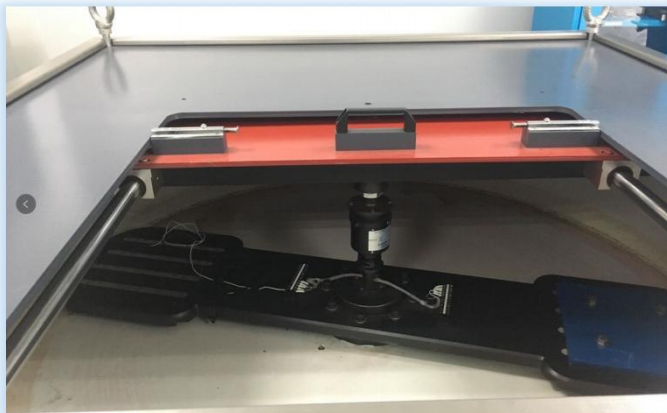
### Sealing Performance Testing

- Rain Spray Test
- Dust Test
- Immersion Test
- Airtightness Test
- IP Protection Test

# Laboratory Equipment Showcase



High/Low Temperature Test Chambers



Constant Acceleration Test Rigs



Electrical Performance Test Stations



Temperature Rise Test Laboratory



High-Power Electrical Measurement & Data Acquisition System



Locomotive Sway Test Rig

4

## Manufacturing Capabilities



# Mold Design & Manufacturing

## Overview

Yonggui operates an independent tooling and mold workshop, along with a dedicated mold design studio.

- Workshop Area: ~2,000 m<sup>2</sup>      Staff: 40+ employees
- Equipped with a standalone mold flow analysis room

Team includes: 2 Mold Flow Analysis Engineers; 5 Mold Design Engineers; 2 Fixture Design Engineers



## Equipment Overview

- Equipped with over 40 sets of advanced processing machines, including:

Seibu and Mitsubishi Wire EDM (Japan); Mitsubishi EDM Machines; Zhunli Grinders (Taiwan); CHMER EDM Machines; Surface Grinders; CNC Machining Centers; Engraving Machines; CNC Milling Machines; Fast Wire Cutting Machines; Drilling Machines; Tapping Machines; Lathes

- Inspection Equipment Includes:

HEXAGON 3D Coordinate Measuring Machine; Fully Automated 2.5D Vision Measuring System; Nikon Height Gauge. All electrode machining and inspection adopt 3R standard chucks.



## Production Capacity

- Over 400 plastic molds designed and manufactured annually.
- Over 600 tooling and fixture sets designed and produced per year.





# Injection Molding



## Overview

- 3,500+ m<sup>2</sup> in-house mold & injection workshop
- 50+ staff across management, production, quality, and logistics

## Equipment Overview

- 50+ injection molding machines, including FANUC, Nissei, and Chen Hsong
- Tonnage range: 45T–380T, supporting horizontal, vertical, and two-shot molding
- All machines equipped with vision systems and robotic arms for fully automated production

## Production Capacity

- Annual injection molding capacity: over 20 million parts



# Sheet Metal Fabrication

## Overview

Sheet metal workshop covers over 4,000 m<sup>2</sup>, with one temperature-controlled welding room

- Certified to ISO 3834 and EN 15085 international welding standards
- Over 60 staff in management, production, quality, and warehousing



## Equipment Overview

Equipped with 50+ machines, including:  
automated welding stations, welding robots, laser cutting machines, bending machines, shearing machines, brushing machines, grinding machines, riveting machines, drilling machines, CNC punch presses, standard punch presses, resistance welders, TIG welders, and MIG welders.



## Production Capacity

Annual production capacity for stamped parts exceeds 50 million pieces



# Precision Contact Manufacturing



## Overview

Yonggui operates an independent precision machining facility with three workshops, covering over 6,000 m<sup>2</sup>

- 160+ staff in management, production, process, quality, and warehousing

## Equipment Overview

- Equipped with a wide range of high-precision machines from leading global brands such as CITIZEN, TORNOS SWISS, Kitamura, and Brother
- Key equipment includes: Swiss-type lathes, turret lathes, CNC lathes, machining centers, conventional lathes & mills, wire cutting machines, slotting machines, polishing machines, vacuum furnaces, spring machines, laser welders, insertion & extraction force sorters
- Also equipped with 30+ sets of testing and auxiliary equipment, including 2.5D projectors, CCD inspection machines, vacuum tempering furnaces, and laser welders

## Production Capacity

Capable of mass-producing high-precision metal parts such as pins (contacts), sockets, housings, and shells

- Annual production capacity exceeds 70 million pieces



# Contact Plating

## Overview

To further enhance contact manufacturing and process control, Yonggui jointly established Sichuan Yonggui Chuanhong Metal Surface Treatment Co., Ltd.

The joint venture has a registered capital of RMB 13 million and a plant area of 15,000 m<sup>2</sup>.



## Equipment Overview

Multiple metal surface treatment production lines, including:

1 fully automated gold plating line; 2 silver plating lines; 2 semi-automatic tin plating lines  
2 zinc plating lines; 1 manual phosphating line; 2 semi-automatic electroless nickel plating lines; 1 aluminum anodizing and coloring line



## Production Capacity

Annual production capacity exceeds 500 million pieces





# Assembly & Integration



## Overview

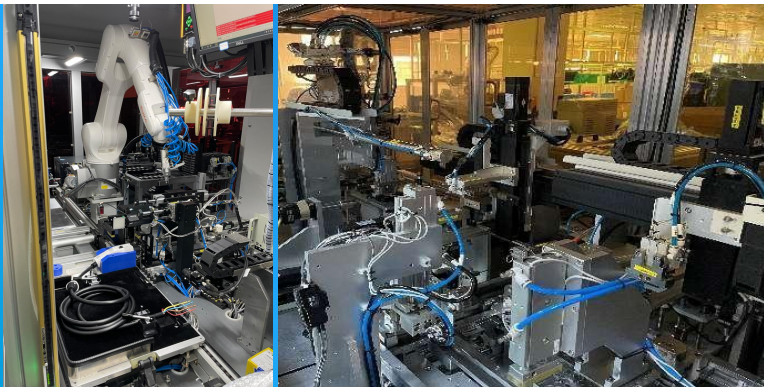
Yonggui operates various assembly lines including parts assembly, connector assembly, charging connector harness assembly, and integrated product assembly.

Equipped with an MES system for data collection and storage, enabling full traceability throughout the manufacturing process.



## Equipment Overview

- Over 100 assembly lines for components, connectors, charging gun harnesses, and integrated products
- More than 50 lines are automated or semi-automated



## Production Capacity

Annual production capacity exceeds 75 million sets of connectors, plugs, sockets, charging gun harness assemblies, and integrated products.

5

## Solutions & Key Product Highlights





# Utility-Scale & Commercial Energy Storage Interconnection Solutions

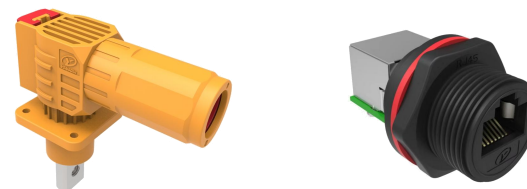
◆ In the energy storage connector field, Yonggui offers complete interconnection solutions including single-core power connectors, MSD connectors, RJ45 signal connectors, control signal connectors, and their harness assemblies.



**Cell Pack & BMS**



**High voltage box**



**PCS**





# Single-Core High-Current Connector Series (ESC-HPB) - for Commercial & Industrial & Large-Scale Energy Storage



## >Technical Data<



### Advantage

#### Wide Coverage

Comply with UL4128 standard;Rated current ranges from 250A to 400A

#### Easy Wiring

Supports 360° multi-angle mating and rotation;  
Features both visual and physical foolproof designs;  
Equipped with secondary locking mechanism and insertion confirmation.

#### Stable Current Carrying Capacity

All sockets use integrated stamping and cold heading, reducing hotspots and improving thermal stability compared to traditional segmented riveting. Welding is added at all crimping points to enhance crimping reliability and process tolerance.

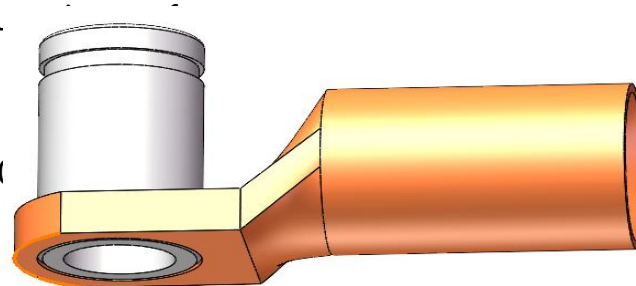
| Project / Specs               | ESC-HP Series     |             |           |           |
|-------------------------------|-------------------|-------------|-----------|-----------|
| Standards                     | UL4128            |             |           |           |
| Certification Reports         | UL/CE/TUV         | UL/CE/TUV   | UL/CE/TUV | UL/CE/TUV |
| Rated Voltage                 | 1500V(DC)         |             |           |           |
| Rated Current                 | 250A              | 300A        | 350A AC   | 400A AC   |
| Withstand Voltage             | 6800V             |             |           |           |
| Insulation Resistance         | ≥100MΩ            |             |           |           |
| IP Rating                     | After mating IP67 |             |           |           |
| Mating Cycles                 | ≥200              |             |           |           |
| Mating Force                  | <100N             |             |           |           |
| Operating ambient temperature | -40℃~+125℃        |             |           |           |
| Flame Retardant Rating        | UL94 V-0          |             |           |           |
| Wire Gauge (mm²)              | 35/50/70mm²       | 50/70/95mm² | 95/120mm² | 95/120mm² |



# HPB Series Product Feature

I. The HPB series wire-end socket adopts an integrated stamping solution. Compared with traditional riveting processes (press riveting, expansion riveting, clinch riveting, and screw locking), it offers:

- ◆ Fewer heat generation points and more stable temperature
- ◆ Higher production efficiency and lower product cost
- ◆ Wall thickness not exceeding 3 mm, applicable to 80A–400A



Traditional two-piece design



Integrated stamping solution

II. A secondary locking structure is added. Compared with traditional structures:

- ◆ Prevents accidental unlocking
- ◆ Provides a visual indication of full mating/engagement



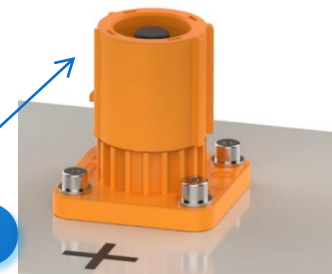
secondary lock position  
when not fully engaged



Secondary lock position  
when fully engaged

锁紧过程  
LOCKING PROCESS

III. A specially designed structure ensures that the connector meets 360° rotation requirements while maintaining reliable electrical contact.



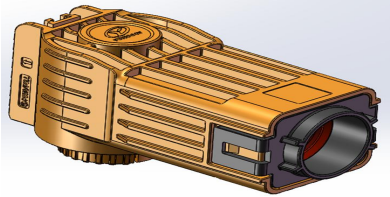
The product requires a  
certain force to rotate



# Single-Core High-Current Connector Series (ESC-HPB)- for Large Cell



Flexible busbar connection



Cable connection

## Advantage

### Wide Coverage

The entire product range complies with UL4128 standard; the rated current of 450A meets the requirements of various application scenarios.

### Easy Wiring

Supports 360° multi-angle mating and rotation; Features both visual and physical foolproof designs; Equipped with secondary locking mechanism and insertion confirmation.

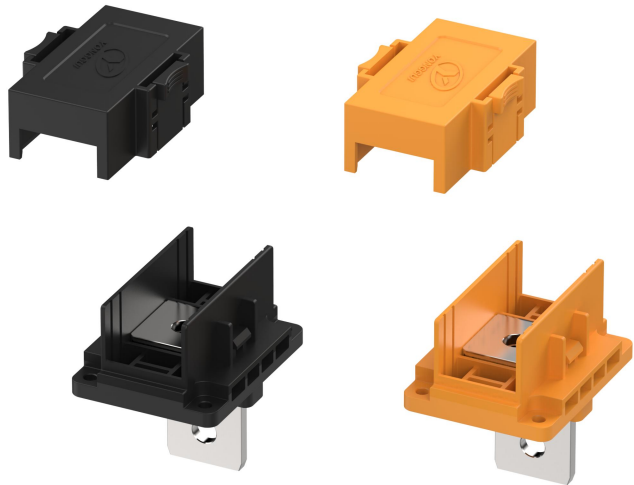
### Stable Current Carrying Capacity

Copper bars are used for connection between PCKs; the wiring harness end supports both ultrasonic welding and crimp termination methods.

## >Technical Data<

| Project / Specs               | ESC-HP series       |
|-------------------------------|---------------------|
| Standards                     | UL4128              |
| Certification Reports         |                     |
| Rated Voltage                 | 1500V(DC)           |
| Rated Current                 | 450A DC             |
| Withstand Voltage             | 6800V               |
| Insulation Resistance         | ≥100MΩ              |
| IP Rating                     | After mating IP67   |
| Mating Cycles                 | ≥200                |
| Mating Force                  | <100N               |
| Operating Ambient Temperature | -40℃~+125℃          |
| Flame Retardant Rating        | UL94 V-0            |
| Wire Gauge (mm²)              | 150mm²/ Flex busbar |

# Air-Cooled Power Connector Series (ESC-TP)



## Advantage

### Wide Coverage

Rated Current:  
250A–350A, suitable  
for various  
applications

### Easy Wiring

Multi-directional cable exit,  
compatible with busbars and  
cables

### Stable Current Carrying Capacity

Temperature Rise Meets  
UL4128 Standard

## >Technical Data<

| Specs                         | ESC-TB Series                 |                               |
|-------------------------------|-------------------------------|-------------------------------|
| Standards                     | UL4128                        |                               |
| Certification Reports         | /                             | /                             |
| Rated Voltage                 | 1500V(DC)                     |                               |
| Rated Current                 | 250A                          | 350A                          |
| Withstand Voltage             | 6800V                         |                               |
| Insulation Resistance         | ≥100MΩ                        |                               |
| IP Rating                     | After mating IP20             |                               |
| Mating Cycles                 | /                             |                               |
| Operating ambient temperature | -40℃~+125℃                    |                               |
| Flame Retardant Rating        | UL94 V-0                      |                               |
| Wire Gauge (mm²)              | 50/70mm²(Busbar Width: 20 mm) | 95/120mm²(Busbar Width: 24mm) |



# Energy Storage Signal Series (ESC-ST)



Recommended



New



## Advantage

### Wide Coverage

Multiple core options available;  
IP Rating IP67.

### Easy Wiring

Models 909 and 927 support both front and rear panel mounting and feature quick-lock mechanisms.

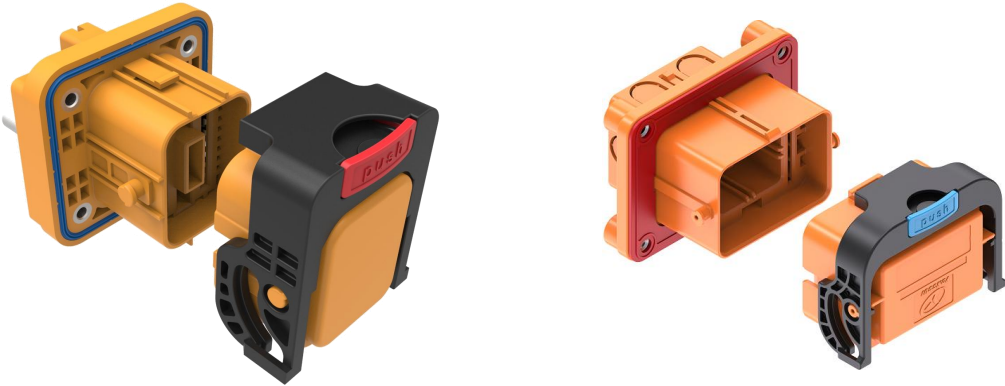
### Stable Transmission

Designed to automotive-grade standards for more stable transmission.

## >Technical Data<

| Project                       | ESC-ST Series     |            |           |           |
|-------------------------------|-------------------|------------|-----------|-----------|
| Specs                         | RJ45              | 909        | 927       | 1129      |
| Certification Reports         | UL                | /          | /         | /         |
| Rated Voltage                 | 32V               | 24V        | 24V       | 24V       |
| Rated Current                 | 0.2A              | 2-10A      | 2-10A AC  | 2-10A AC  |
| Withstand Voltage             | 500V DC           | 1000V DC   | 1000V DC  | 1000V DC  |
| Insulation Resistance         | ≥100MΩ            |            |           |           |
| IP Rating                     | After mating IP67 |            |           |           |
| Mating Cycles                 | ≥200              | ≥100       | ≥100      | ≥100      |
| PIN No.                       | /                 | 7          | 19        | 12        |
| Operating ambient temperature | -40°C~~+125°C     |            |           |           |
| Flame Retardant Rating        | UL94 V-0          |            |           |           |
| Wire Gauge (mm²)              | /                 | 0.5-1.5mm² | 0.5-1.5mm | 0.5-1.5mm |

# Maintenance Switch (ESC-MSD)



## Advantage

### Wide Coverage

Multiple core options available;  
IP Rating IP67.

### Easy Wiring

Modular structure; compact size

### Stable Transmission

Designed to automotive-grade standards for more stable transmission.

## >Technical Data<

| Project                       | ESC-MSD Series             |          |          |          |
|-------------------------------|----------------------------|----------|----------|----------|
| Specs                         | MSD                        | 1040     | 1052     | 1130     |
| Certification Reports         | UL4128                     | /        | /        | /        |
| Rated Voltage                 | 1500V DC                   | 750V     | 750V     | 750V     |
| Rated Current                 | 250/350A                   | 250A     | 200AAC   | 400AAC   |
| Withstand Voltage             | 6800V DC                   | 4000V DC | 3000V DC | 3000V DC |
| Insulation Resistance         | ≥100MΩ                     | ≥5000MΩ  | ≥3000MΩ  | ≥3000MΩ  |
| IP Rating                     | After mating IP67          |          |          |          |
| With Fuse or Not              | No                         | Yes      | Yes      | No       |
| PIN No.                       | /                          | /        | /        | /        |
| Operating ambient temperature | -40℃~+125℃                 |          |          |          |
| Flame Retardant Rating        | UL94 V-0                   |          |          |          |
| Wire Gauge (mm²)              | Copper bars are preferred. | 50/70mm² | 50mm     | /        |



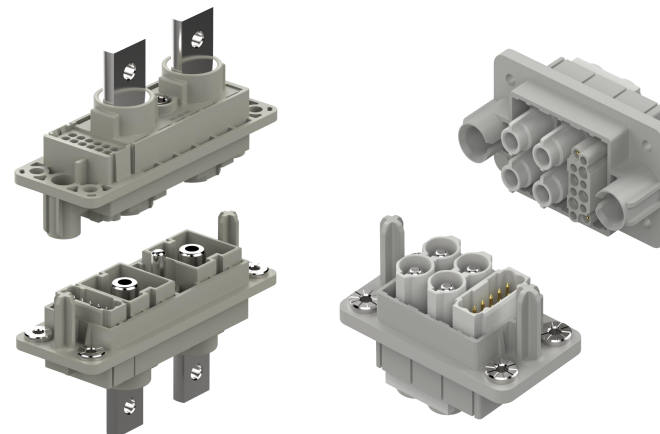
# Residential Energy Storage Interconnection Solutions



## Insert / Wall-Mount



## Stackable





# Single-Core High-Current Connector Series (ESC-HPB) - for Residential Energy Storage



## Advantage

### Wide Coverage

Comply with UL4128 standard;Rated current ranges from 250A to 400A

### Easy Wiring

Supports 360° multi-angle mating and rotation;  
Features both visual and physical foolproof designs;  
Equipped with secondary locking mechanism and insertion confirmation.

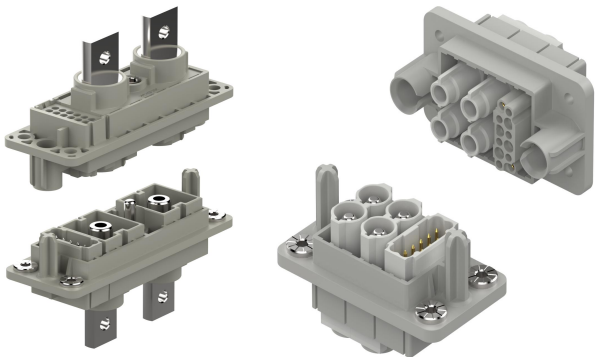
### Stable Current Carrying Capacity

All sockets use integrated stamping and cold heading, reducing hotspots and improving thermal stability compared to traditional segmented riveting. Welding is added at all crimping points to enhance crimping reliability and process tolerance.

## >Technical Data<

| Project / Specs               | ESC-HP Series     |             |   |   |
|-------------------------------|-------------------|-------------|---|---|
| Standards                     | UL4128            |             |   |   |
| Certification Reports         | UL/CE/TUV         | UL/CE/TUV   | / | / |
| Rated Voltage                 | 1500V(DC)         |             |   |   |
| Rated Current                 | 120A              | 250A        | / | / |
| Withstand Voltage             | 6800V             |             |   |   |
| Insulation Resistance         | ≥100MΩ            |             |   |   |
| IP Rating                     | After mating IP67 |             |   |   |
| Mating Cycles                 | ≥200              |             |   |   |
| Mating Force                  | <100N             |             |   |   |
| Operating ambient temperature | -40℃~+125℃        |             |   |   |
| Flame Retardant Rating        | UL94 V-0          |             |   |   |
| Wire Gauge (mm²)              | 25/35mm²          | 35/50/75mm² | / | / |

# Mixed Assembly Series (ESC-M)



## Advantage

### Wide Coverage

Modular design with flexible combinations; configurable based on specific application needs.

### Easy Wiring

Supports blind mating and floating design

### Stable Transmission

Designed to automotive-grade standards for more stable transmission.

## >Technical Data<

| Project / Specs               | ESC-M Series      |                |                |
|-------------------------------|-------------------|----------------|----------------|
|                               | 1268              | ESC-M10B       | ESC-M16B       |
| Certification Reports         | UL4128            | UL1977         | UL1977         |
| Rated Voltage                 | See Spec Sheet    | See Spec Sheet | See Spec Sheet |
| Rated Current                 | See Spec Sheet    | See Spec Sheet | See Spec Sheet |
| Withstand Voltage             | See Spec Sheet    | See Spec Sheet | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet    | See Spec Sheet | See Spec Sheet |
| IP Rating                     | After mating IP4x |                |                |
| Mating Cycles                 | ≥200              | ≥200           | ≥200           |
| PIN No.                       | 2+1+12            | Optional       | Optional       |
| Operating ambient temperature | -40°C~+125°C      |                |                |
| Flame Retardant Rating        | UL94 V-0          |                |                |
| Wire Gauge (mm²)              | See Spec Sheet    | See Spec Sheet | See Spec Sheet |



# Communication & Power Interconnection Solutions

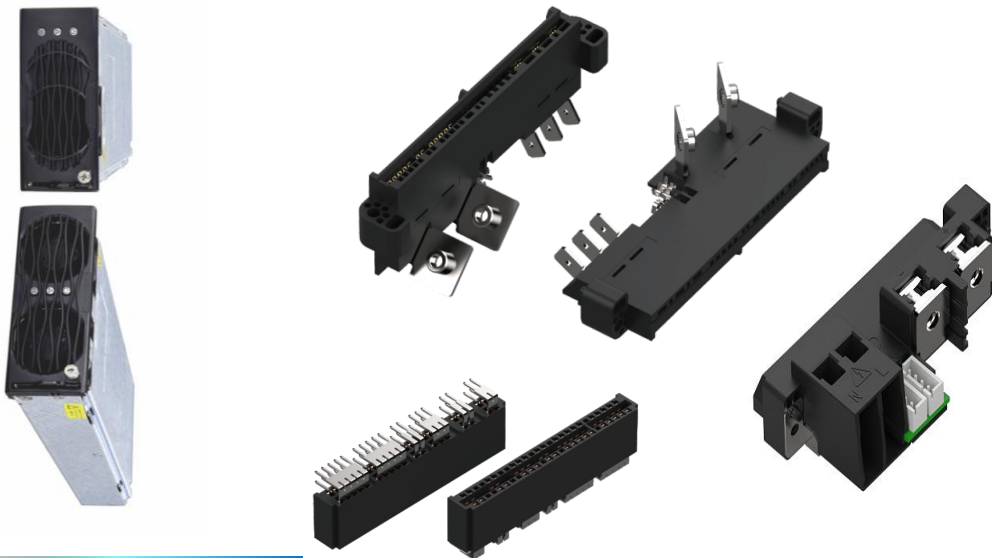


◆ In the communication connector field, Yonggui offers complete interconnection solutions including various power connectors, multiple signal connectors, integrated electrical assemblies, and harness components.





# Rectifier Module Interface Series



## Advantage

### Wide Coverage

The product series covers mainstream 48V rectifier modules in the communications industry, including 2KW, 3KW, 4KW and other specifications.

### Easy Layout Design

High compatibility; interchangeable with mainstream interfaces

### Cost-Effective

Mates directly with PCB; supports multiple termination methods

## >Technical Data<

| Project / Specs               | 141604 series       | 562 series          | 438 series          |
|-------------------------------|---------------------|---------------------|---------------------|
| Standards                     | UL1977              | UL1977              | UL1977              |
| Certification Reports         | UL                  | UL                  | UL                  |
| Rated Voltage                 | See Spec Sheet      | See Spec Sheet      | See Spec Sheet      |
| Rated Current                 | 100A(DC)/30A(AC)CUL | 100A(DC)/30A(AC)CUL | 108A(DC)/35A(AC)CUL |
| Withstand Voltage             | See Spec Sheet      | See Spec Sheet      | See Spec Sheet      |
| Insulation Resistance         | See Spec Sheet      | See Spec Sheet      | See Spec Sheet      |
| IP Rating                     | /                   | /                   | /                   |
| Mating Cycles                 | ≥200                | ≥200                | ≥200                |
| PIN No.                       | power+signal        | power+signal        | power+signal        |
| Operating ambient temperature | -40°C~+125°C        |                     |                     |
| Flame Retardant Rating        | UL94 V-0            |                     |                     |
| Wire Gauge (mm <sup>2</sup> ) | See Spec Sheet      | See Spec Sheet      | See Spec Sheet      |

# Charging Pile Module Interface Series



## Advantage

### Wide Coverage

Product series suitable for 20, 30, and 40 kW charging modules; 60 kW interface under development.

### Easy Layout Design

High compatibility; interchangeable with mainstream interfaces.

### Floating Capability

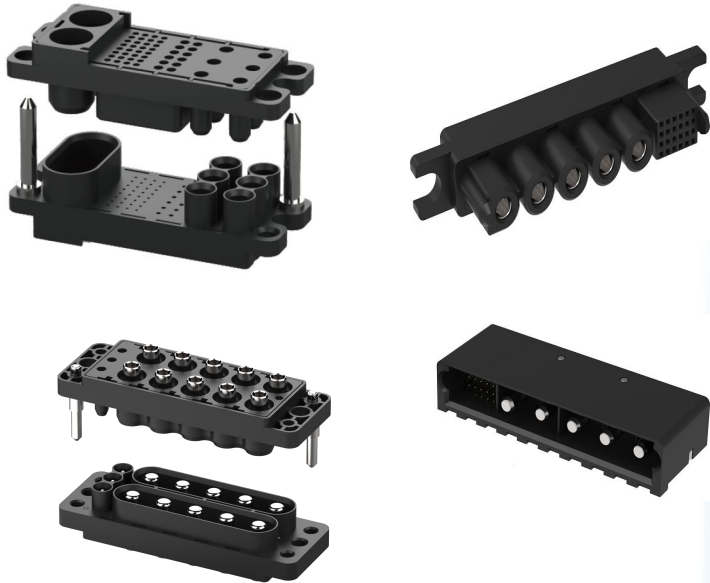
Supports floating connection and blind mating for easy use.

## >Technical Data<

| Project / Specs               | 141030 series  | 141054 series  | 141100 series  |
|-------------------------------|----------------|----------------|----------------|
| Standards                     | UL1977         | UL1977         | UL1977         |
| Certification Reports         | UL             | UL             | UL             |
| Rated Voltage                 | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| Rated Current                 | 80A            | 80A            | 40A            |
| Withstand Voltage             | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| IP Rating                     | /              | /              | /              |
| Mating Cycles                 | ≥200           | ≥200           | ≥200           |
| PIN No.                       | power+signal   | 4PIN           | 4PIN           |
| Operating ambient temperature | -40℃~+125℃     |                |                |
| Flame Retardant Rating        | UL94 V-0       |                |                |
| Wire Gauge (mm <sup>2</sup> ) | See Spec Sheet | See Spec Sheet | See Spec Sheet |



# UPS Power Interface Series



## Advantage

### Wide Coverage

The product series is compatible with various power modules, bypass modules, battery packs, etc. in UPS systems.

### Easy Layout Design

Highly compatible and interchangeable with mainstream interfaces

### Floating Capability

Supports floating connection and blind mating for easy operation

## >Technical Data<

| Project / Specs               | 141067                                 | 141095              | 141100         |
|-------------------------------|----------------------------------------|---------------------|----------------|
| Standards                     | UL1977                                 | UL1977              | UL1977         |
| Certification Reports         | UL                                     | UL                  | UL             |
| Rated Voltage                 | See Spec Sheet                         | 100A(power)         | 100A           |
| Rated Current                 | See Spec Sheet                         | See Spec Sheet      | See Spec Sheet |
| Withstand Voltage             | See Spec Sheet                         | See Spec Sheet      | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet                         | See Spec Sheet      | See Spec Sheet |
| IP Rating                     | /                                      | /                   |                |
| Mating Cycles                 | ≥200                                   | ≥200                | ≥200           |
| PIN No.                       | power+signal<br>(8、12、13、14、<br>37、52) | power(5)+signal(24) | power(4)       |
| Operating ambient temperature | -40℃~+125℃                             |                     |                |
| Flame Retardant Rating        | UL94 V-0                               |                     |                |
| Wire Gauge (mm²)              | See Spec Sheet                         | See Spec Sheet      | See Spec Sheet |



# DCDU Power Interface Series



## Advantage

### Wide Coverage

Supports multiple termination and mounting methods

### Easy Layout Design

High compatibility; interchangeable with mainstream interfaces

### Cost-Effective

Integrated header design for easy on-site wiring

## >Technical Data<

| Project / Specs               | 141079 sereis  | 141063 sereis  | 141082 sereis  |
|-------------------------------|----------------|----------------|----------------|
| Standards                     | UL1977         | UL1977         | UL1977         |
| Certification Reports         | UL             | UL             | UL             |
| Rated Voltage                 | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| Rated Current                 | See Spec Sheet | 125A           | 45             |
| Withstand Voltage             | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| IP Rating                     | /              | /              | /              |
| Mating Cycles                 | /              | /              | /              |
| PIN No.                       | /              | /              | /              |
| Operating ambient temperature | -40°C~+125°C   |                |                |
| Flame Retardant Rating        | UL94 V-0       |                |                |
| Wire Gauge (mm²)              | See Spec Sheet | See Spec Sheet | See Spec Sheet |

# Distributed Power Interface Series



## Advantage

### Wide Coverage

Current range: 45A–125A;  
Available with 2 or 3 pins;  
Wide wiring compatibility;  
Some models include  
temperature monitoring  
(NTC).

### Easy Wiring

Compact structure,  
easy wiring (field wiring  
supported)

### Environmental Resistance

Special housing  
treatment withstanding  
480 hours of salt spray  
and long-term UV  
resistance for outdoor  
use.

## >Technical Data<

| Project / Specs               | 141127            | 141130            | 141124/141125  |
|-------------------------------|-------------------|-------------------|----------------|
| Standards                     | UL1977            | UL1977            | UL1977         |
| Certification Reports         | UL                | CE                | CE             |
| Rated Voltage                 | See Spec Sheet    | See Spec Sheet    | See Spec Sheet |
| Rated Current                 | 125A( with NTC)   | 125A              | 45             |
| Withstand Voltage             | See Spec Sheet    | See Spec Sheet    | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet    | See Spec Sheet    | See Spec Sheet |
| IP Rating                     | After mating IP67 | After mating IP65 |                |
| Mating Cycles                 | ≥200              | ≥200              | ≥200           |
| PIN No.                       | 2+NTC             | 2                 | 2(With Fuse)、3 |
| Operating ambient temperature | -40℃~+125℃        |                   |                |
| Flame Retardant Rating        | UL94 V-0          |                   |                |
| Wire Gauge (mm <sup>2</sup> ) | See Spec Sheet    | See Spec Sheet    | See Spec Sheet |

# Data Center End-Distribution Interface Series



## Advantage

The newly launched series of heavy-duty connector housings made of high-performance plastic features a quick-lock handle and is available in multiple sizes. Compared to traditional metal housings, plastic housings offer superior environmental resistance and significant weight advantages. They are widely applicable in rail transportation, industrial automation, and data center industries. The modular design allows for flexible combination as needed.

## >Technical Data<

| 类型     | 插头外壳                                                                                                                         |                                                                                                                              |                                                                                                                              |                                                                                                                              | 插座外壳                                                                                                                    | 内套组件<br>(插芯选用)                                                                                                      | 模块固定件<br>(模块选用)                                                                                                                   |
|--------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| P6B系列  | <br>HDC-P6BU-DL-TM32<br>(115410026001)    | <br>HDC-P6BU-DL-TM25<br>(115410026002)    | <br>HDC-P6BU-DL-TM20<br>(115410026003)    |                                                                                                                              | <br>HDC-P6BL-DL<br>(113060100620)    | <br>HDC-P6B<br>(113069800512)    | <br>HDC-P6B<br>模块固定架(a-c)<br>(114069804877)    |
|        | <br>HDC-P6BU-DL-SM32<br>(115410028001)    | <br>HDC-P6BU-DL-SM25<br>(115410028002)    | <br>HDC-P6BU-DL-SM20<br>(115410028003)    |                                                                                                                              |                                                                                                                         |                                                                                                                     | <br>HDC-P6B<br>模块固定架(A-C)<br>(113060100621)    |
| 类型     | 插头外壳                                                                                                                         |                                                                                                                              |                                                                                                                              |                                                                                                                              | 插座外壳                                                                                                                    | 内套组件<br>(插芯选用)                                                                                                      | 模块固定件<br>(模块选用)                                                                                                                   |
| P16B系列 | <br>HDC-P16BU-DL-TM40<br>(115410032001)  | <br>HDC-P16BU-DL-TM32<br>(115410032002)  | <br>HDC-P16BU-DL-TM25<br>(115410032003)  | <br>HDC-P16BU-DL-TM20<br>(115410032004)  | <br>HDC-P16BL-DL<br>(113060200834) | <br>HDC-P16B<br>(113069800615) | <br>HDC-P16B<br>模块固定件(a-e)<br>(115980054401)  |
|        | <br>HDC-P16BU-DL-SM40<br>(115410032101) | <br>HDC-P16BU-DL-SM32<br>(115410032102) | <br>HDC-P16BU-DL-SM25<br>(115410032103) | <br>HDC-P16BU-DL-SM20<br>(115410032104) |                                                                                                                         |                                                                                                                     | <br>HDC-P16B<br>模块固定件(A-E)<br>(115980054402) |

# Power Module (Power Blade) Interface Series



## >Technical Data<

| Project / Specs               | YG565 series   |                |                |
|-------------------------------|----------------|----------------|----------------|
| Standards                     | UL1977 series  | UL1977 series  | UL1977 series  |
| Certification Reports         | UL             | UL             | UL             |
| Rated Voltage                 | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| Rated Current                 | 30A(power)     | 35A            | 35A            |
| Withstand Voltage             | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet | See Spec Sheet | See Spec Sheet |
| IP Rating                     | /              | /              | /              |
| Mating Cycles                 | ≥200           | ≥200           | ≥200           |
| PIN No.                       | 18(power)+48   | 12(power)+16   | 15(power)      |
| Operating ambient temperature | -40°C~~125°C   |                |                |
| Flame Retardant Rating        | UL94 V-0       |                |                |
| Main client                   | Vertiv         | Delta          | Delta          |

# Internal Board-to-Board Power Interface Series



Interlayer Board Power



On-board Power Supply



Orthogonal Inter-board  
Power Supply

## >Technical Data<

| Project / Specs               | 141115         | 141116         |
|-------------------------------|----------------|----------------|
| Standards                     | UL1977         | UL1977         |
| Certification Reports         | UL             | UL             |
| Rated Voltage                 | See Spec Sheet | See Spec Sheet |
| Rated Current                 | See Spec Sheet | 125A           |
| Withstand Voltage             | See Spec Sheet | See Spec Sheet |
| Insulation Resistance         | See Spec Sheet | See Spec Sheet |
| IP Rating                     | /              | /              |
| Mating Cycles                 | ≥200           | ≥200           |
| PIN No.                       | 2+16           | 10             |
| Operating ambient temperature | -40℃~+125℃     |                |
| Flame Retardant Rating        | UL94 V-0       |                |
| Wire Gauge (mm²)              | See Spec Sheet | See Spec Sheet |



# Product Customization

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Yonggui specializes in customized development, solving structural, installation, and other application constraints for customers.



We collaborate closely with customers to address pain points, thoroughly evaluating all ideas, including connector integration and diversification.



Comprehensive technical support is provided. Experienced users can select from catalogs, while others can contact Yonggui's sales or technical teams for tailored recommendations.

# Contact us

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CONNECTION TO FUTURE