

Jiangsu Yunyi Electric Co., Ltd

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Yunyi Official Website

Jiangsu YunTai Precision Technology Co., Ltd.

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Yuntai Official Accounts

# Product Manual

**Jiangsu YunTai Precision Technology Co., Ltd.**  
Become a global leader in automotive core components



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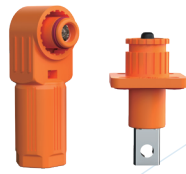
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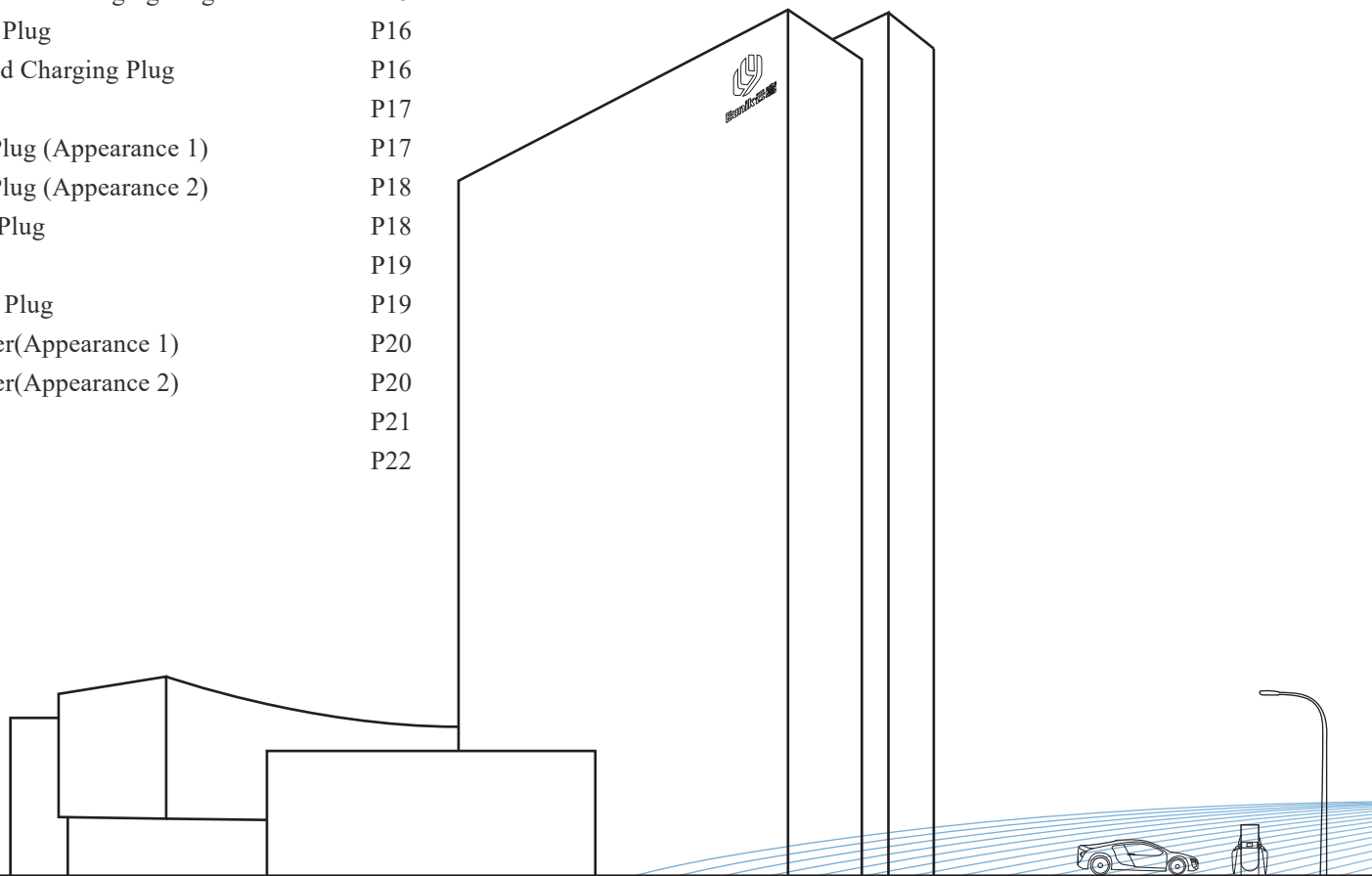
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# 01

## Company Profil

### Jiangsu YunTai Precision Technology Co., Ltd.

Jiangsu Yuntai Precision Technology Co., Ltd. was established in 2005 and is holding subsidiary of Jiangsu Yunyi Electric Co., Ltd. (stock code: 300304). The company is headquartered in Xuzhou High-tech Industrial Development Zone and is a high-tech enterprise, focusing on the design and manufacturing of automotive components. Its business covers automotive charging guns, high-voltage connectors, energy storage connectors, and the development and sales services of precision injection molding technology. The company holds nearly 200 patents and 18 trademarks, and has strong technological research capabilities.

As a provincial-level specialized, innovative and high-tech small and medium-sized enterprise, we have been deeply engaged in the precision manufacturing field for nearly 20 years. We have obtained ISO14001 and IATF16949 quality system certifications, as well as professional product qualification certifications such as UL/CE/TUV/CQC. We provide high-precision components and system solutions for the automotive and new energy industries. Leveraging the resources of Yunyi Electric Group, the company has established a complete "research and development - production - service" industrial chain capability, continuously promoting the upgrading of intelligent manufacturing.



Build Foundation • Innovate • Expand

25 years  
Industry Experience

120+  
Serve Countries And  
Regions Worldwide

90000m<sup>2</sup>+  
Factory Area

700 million+  
Equipment Investment





# Development History

Since its establishment, Yunyi has continuously enhanced its capabilities to provide customers with more advantageous services.

2024

**Establishment of the Malaysia Factory**  
Specialized in the production of regulators and rectifiers for the US market

2021

**Core Source Establishment**  
Specialized in automotive nitrogen oxide sensors

**Zhengxin Electronics Establishment**  
Specialized in semiconductor electronic components

2013

**Yunrui Establishment**  
Devoted to the research and production of windshield wiper systems

2012

**Yunyi's Stock Code on the Shenzhen**  
Stock Exchange: 300304

2000

**Yunyi Electric was established**  
Focused on the R&D, manufacturing, and sales of automotive power controllers

2024

**New Factory Commissioning**  
A 20,000m<sup>2</sup> modern injection molding and assembly plant has been put into operation, offering customers a more superior integrated solution for electrical connection products.

2021

**Assembly Workshop Operation**  
The transition from single pieces to components, providing customers with comprehensive post-processing assembly services

2020

**High-voltage Connector Department Establishment**  
Offering professional connector solutions for new energy vehicles and energy storage customers

2018

**Automation Department Establishment**  
Providing customers with full-stack automated production services to ensure product consistency

2010

**Mold Division Establishment**  
Achieving independent design, manufacturing, and management of stamping and injection molds

2005

**Yuntai Precision Establishment**  
Devoted to the research, production, and sales of automotive precision inserts, molds, and injection molding fields



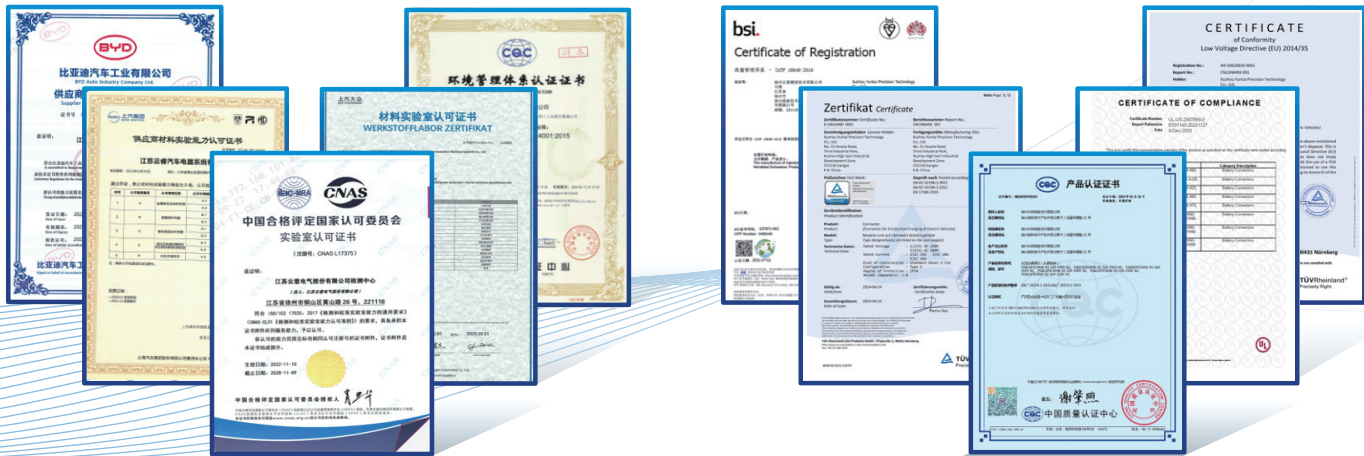
## Honors & Qualifications

**15+**  
Recognized by the Global Top 100 Components System  
Passed product quality certifications such as CQC, UL, CE, and TUV

**10+**  
Recognized by the OEM system

### Quality system

- ⊙ IATF16949
- ⊙ ISO14001:2015
- ⊙ VDA6.3





# Enterprise Strengths



## Supply Chain

### Equipment Manufacturing:

Production Manufacturing: Possesses various precision molds, as well as capabilities for automation design and manufacturing.

### Manufacturing Facility

Equipped with molding, stamping, die-casting, cold heading, precision processing, assembly welding, SMT and other production manufacturing workshops.



## High-end talents

A comprehensive R&D system covering the entire industry chain, with R&D investment consistently exceeding revenue by over 10% for five consecutive years. It has gathered over 500 R&D experts, among whom 70% are from top universities.

# Market map



Slovenia  
Marketing Center



Xuzhou China  
Company Headquarters



Nanjing China  
Research and Development Center



Taiwan China  
Research and Development Center



Malaysia  
Production Factory



## Independent forward development

- Strict product research and development system
- Product CAE simulation technology
- Research on coatings and contact resistance

## Vertical integration of the industrial chain

- Mold design and manufacturing
- Automation solutions
- Machining and electroplating production lines
- Product assembly workshop

## Comprehensive quality control

- Comprehensive quality management system
- Complete test and verification process
- Full range of product testing equipment
- CNAS laboratory qualification

## Innovative customer service

- The Iron Triangle Service Team
- The 3+8+24 service model



Intelligent Factory



Precision Manufacturing



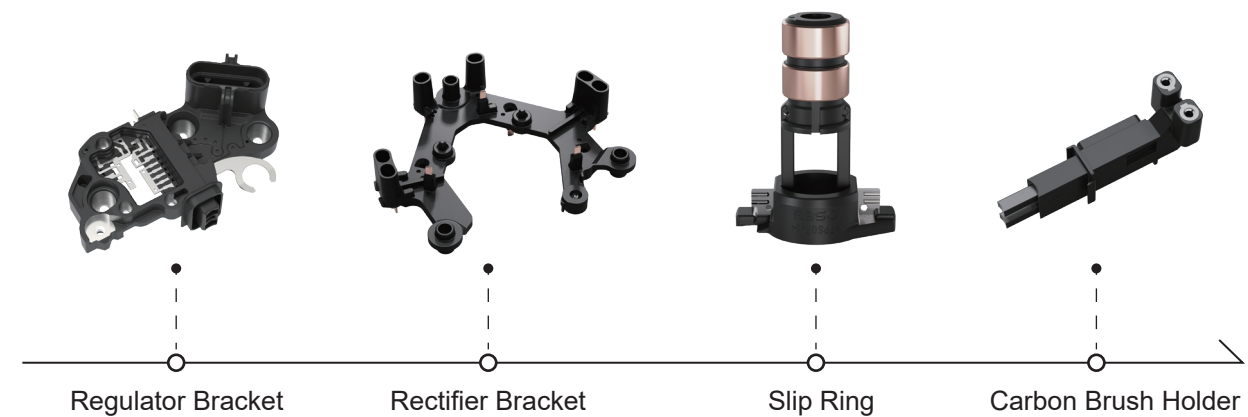


# Precision Injection Molding Product

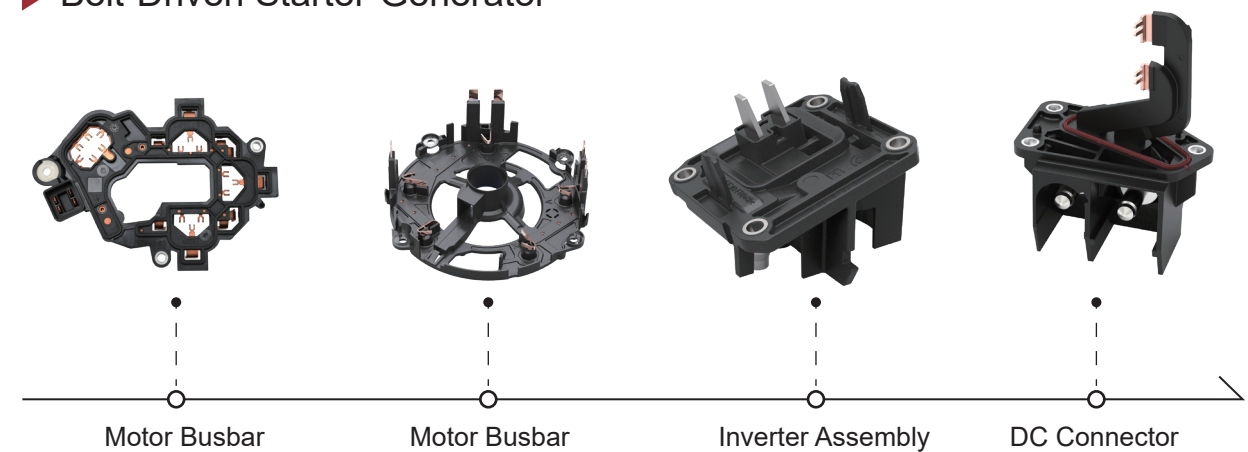
Automobile Precision Injection Molding YunTai Precision was established in 2005. It is dedicated to the research, production and sales of automotive precision inserts, molds, injection molding, etc. With precision injection molding as its core, it integrates the vertical industrial chain to meet the development needs of customers.



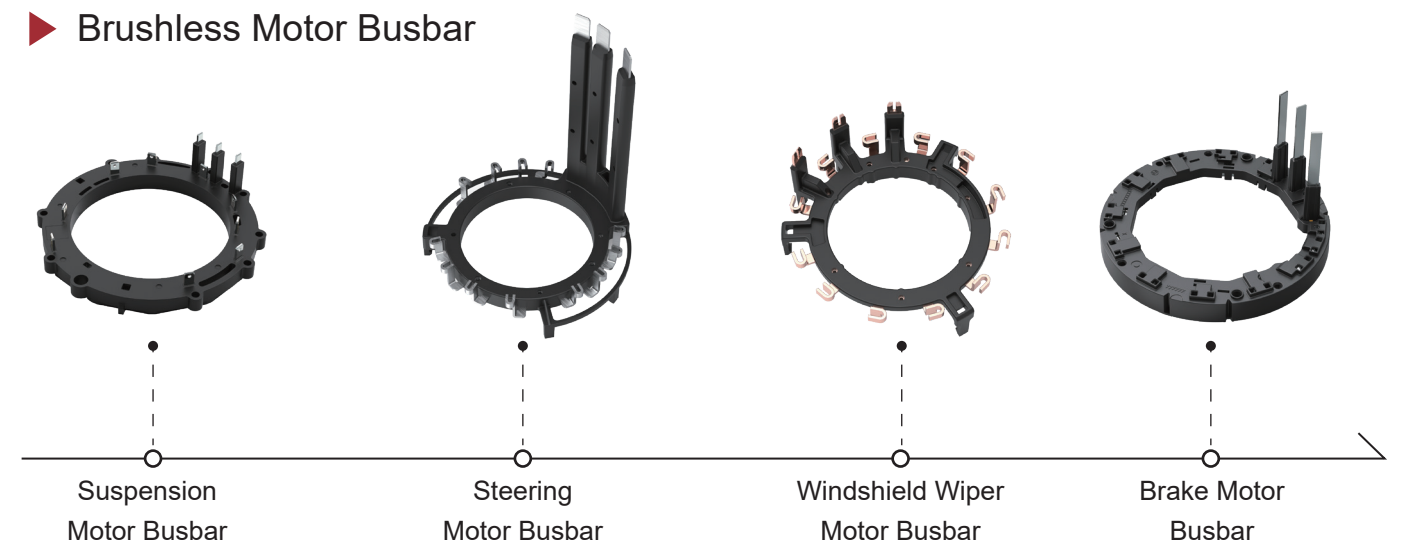
## ► Integrated Starter-Generator



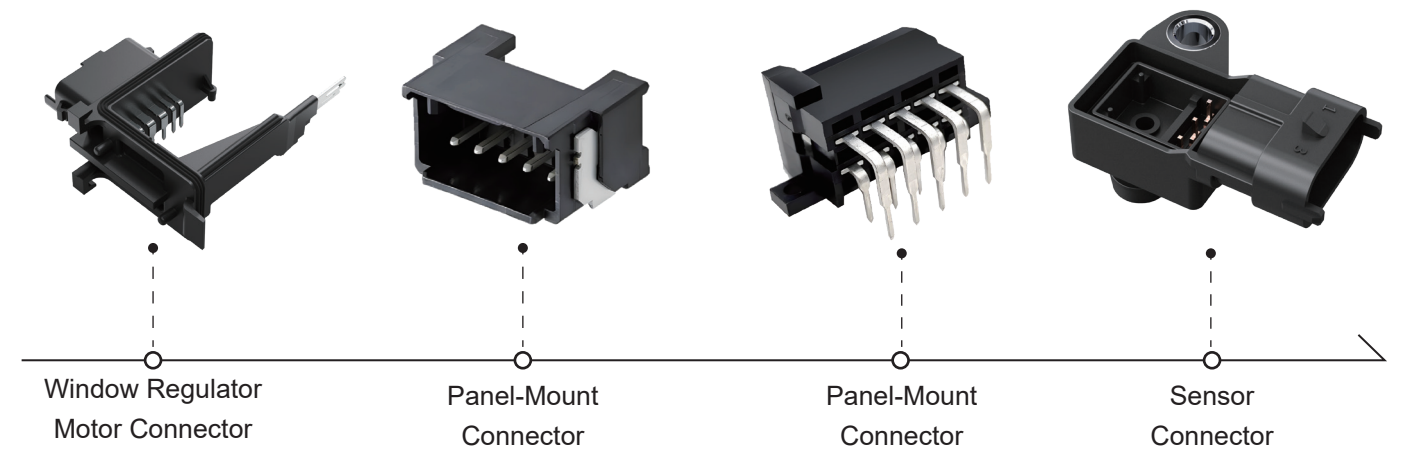
## ► Belt-Driven Starter-Generator



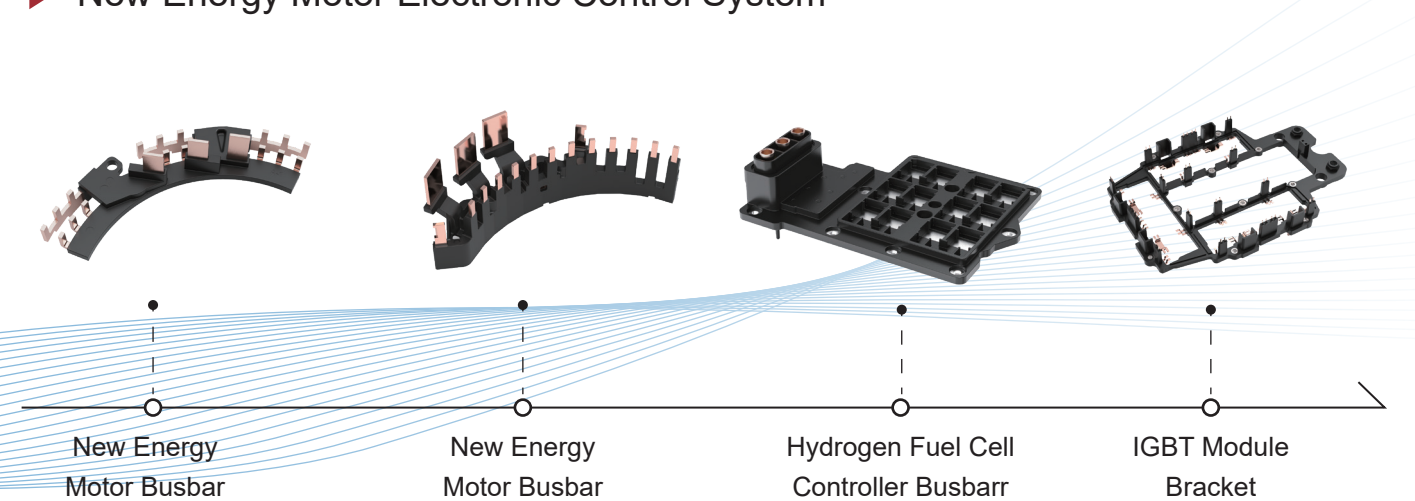
## ► Brushless Motor Busbar



## ► Low-Voltage Connector



## ► New Energy Motor Electronic Control System

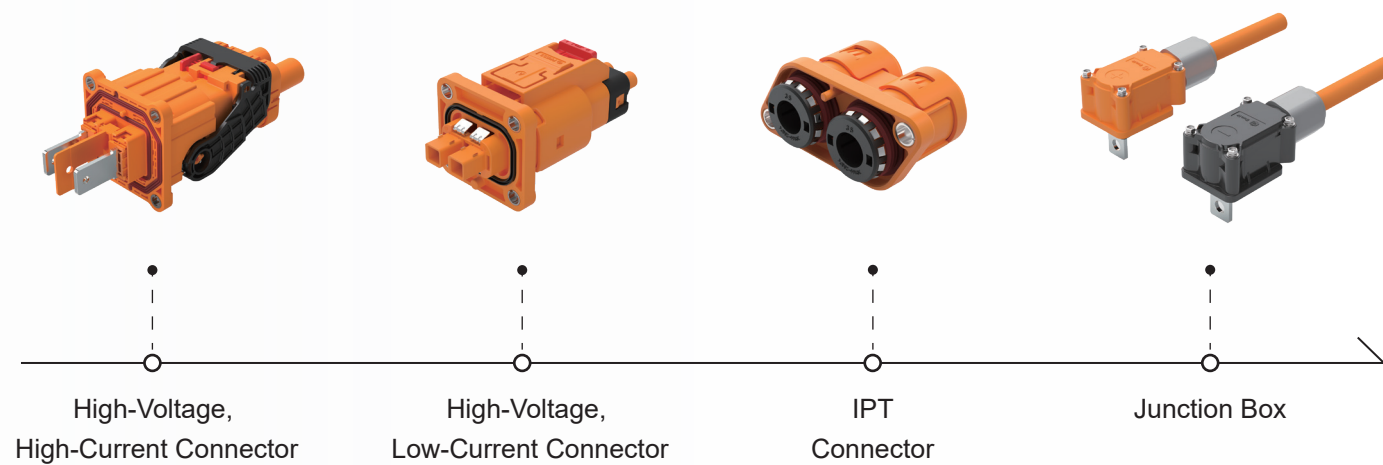




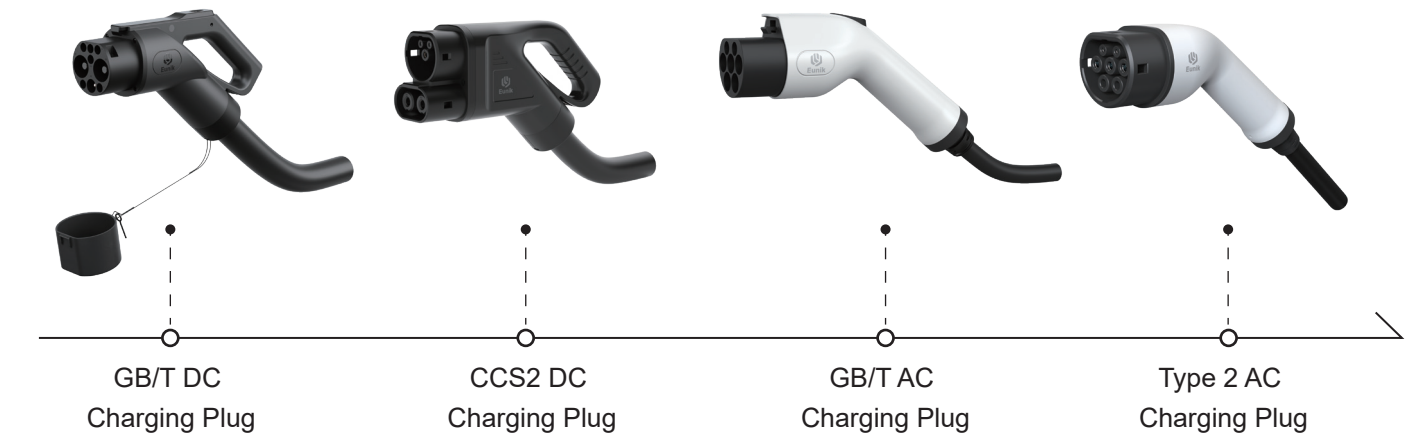
# New Energy Vehicle High Voltage Connection System Solution



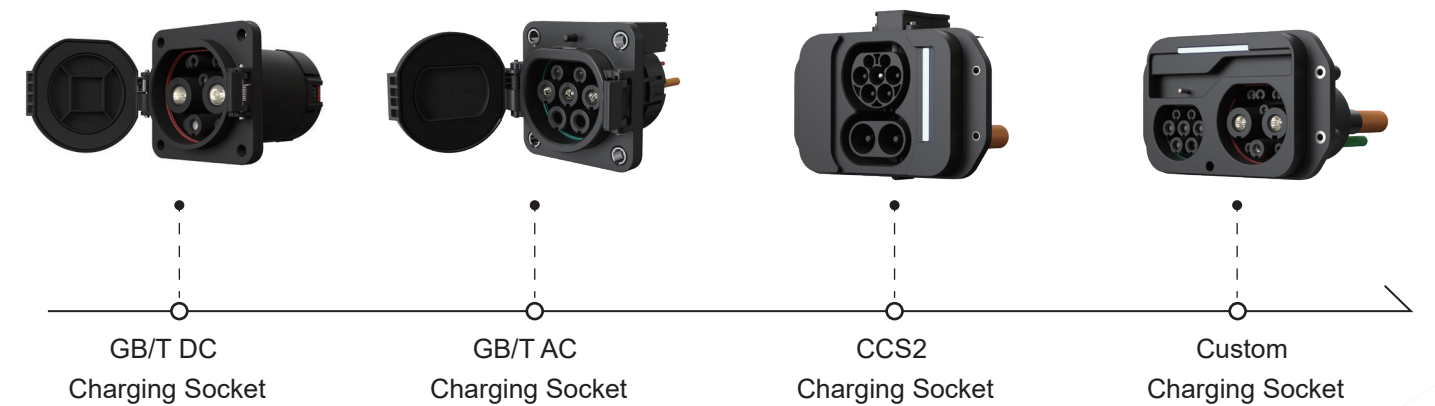
## ► High-Voltage, High-Current Connector Battery/PDU/Motor/ECU Connector



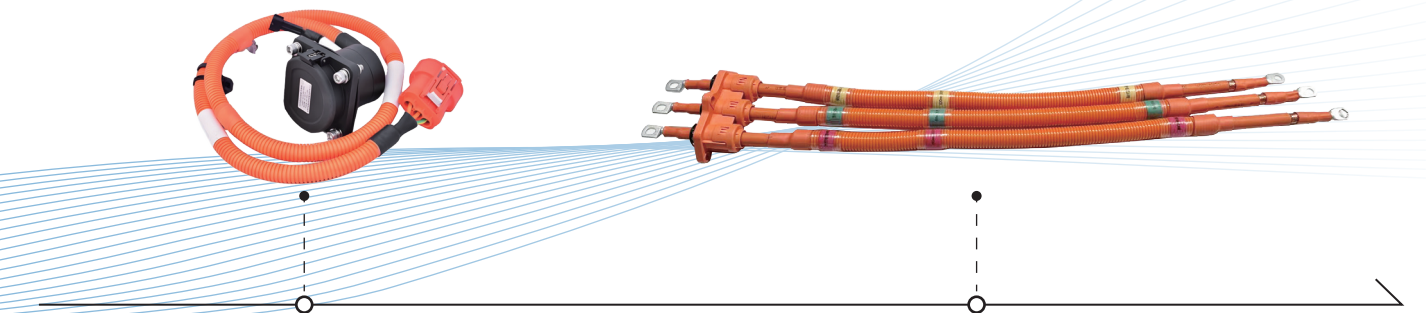
## ► GB/EVSE & CCS/Type 2 Charging Plug Series AC/DC Charging Plug



## ► GB/EVSE, CCS/Type 2 & Custom Charging Socket Series AC/DC Charging Interface



## ► High-Voltage Wiring Harness Assembly

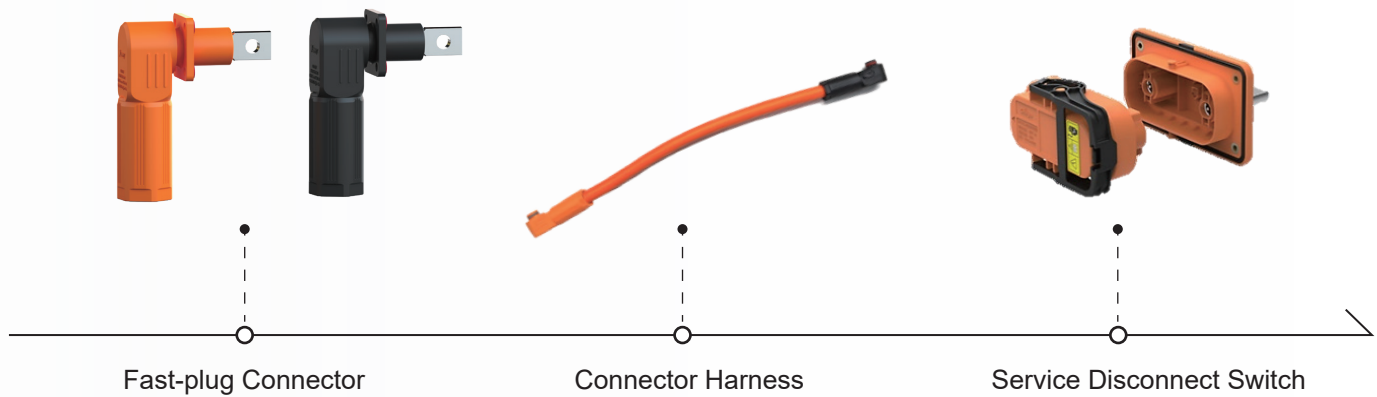




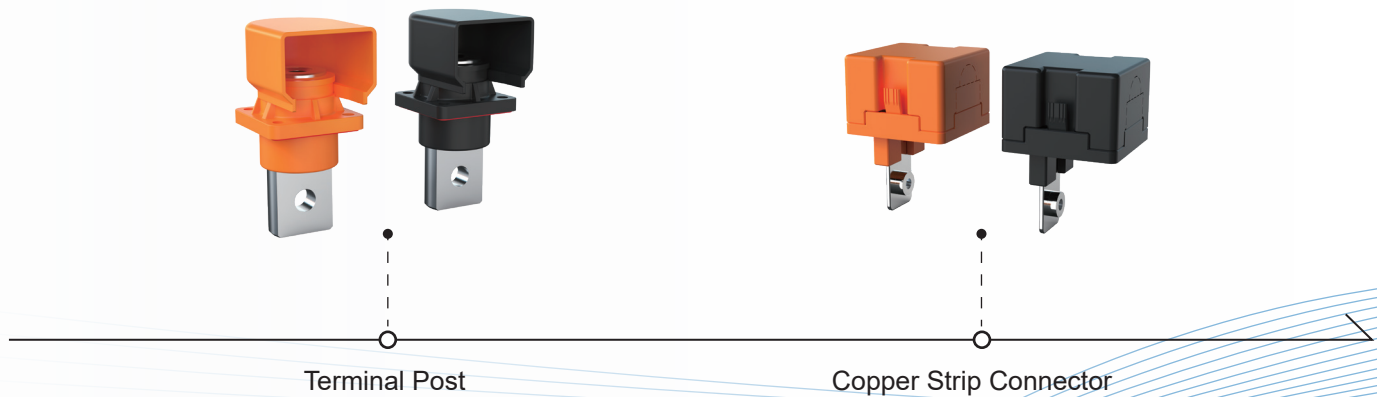


# Energy Storage Connection System Solution

## ESS—Liquid-Cooled Battery Cabinet Series



## ESS—Air-Cooled Battery Cabinet Series



## 02 Vehicle Connector

Rated Current: 16A~600A    Rated Voltage: 250V~1000V

Application: DC charging station/ AC charging station/ Equipped with the car for Family charging

- Compact Design
- Lightweight
- Touch-Proof Protection
- User-Friendly Mounting
- High Reliability



## YGB 400P GB-Standard DC Charging Plug

### Technical Information

Standard: GB/T 20234.3-2023
Rated voltage: 1000V DC
Rated current: 300A/ 400A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <140N
Flame retardant rating: UL94-V0
Cycles life: > 10000 times



### Product specification

Product Series:	<b>YGB 400 P D G X E 100 - 01</b>	Streamcode
GB-National standard charging products		
Current: 300-300A 400-400A		Cable specifications:
Type: P=vehicle connector		70-70mm² 90-90mm² 100-100mm²
AC and DC: D=DC		Drive form: E=With electronic lock
Mode: G=mode 4		Lid form: X=Standard

Application: Input connection of DC charging station system for electric vehicles.

## YGB 600P GB-Standard Liquid-Cooled DC Charging Plug

### Technical Information

Standard: GB/T 20234.3-2023
Rated voltage: 1000V DC
Rated current: 400A/500A/600A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <140N
Flame retardant rating: UL94-V0
Cycles life: > 10000 times



### Product specification

Product Series:	<b>YGB 600 P S G X E 35 - 01</b>	Streamcode
GB-National standard charging products		
Current: 400-400A 500-500A 600-600A		Cable specifications: 25-25mm² 35-35mm²
Type: P=vehicle connector		Drive form: E=With electronic lock
AC and DC: S - Oil-Cooled DC (Silicone Oil)		Lid form: X=Standard
Mode: G=mode 4		

Application: Input connection of DC charging station system for electric vehicles.

## YGB 250P GB-Standard DC Charging Plug

### Technical Information

Standard: GB/T 20234.3-2023
Rated voltage: 1000V DC
Rated current: 80A/125A/200A/250A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <140N
Flame retardant rating: UL94-V0
Cycles life: > 10000 times



### Product specification

Product Series:	<b>YGB 250 P D G X E 80 - 01</b>	Streamcode
GB-National standard charging products		
Current: 80-80A 125-125A 200-200A 250-250A		Cable specifications: 25-25mm² 35-35mm²
Type: P=vehicle connector		50-50mm² 70-70mm² 80-80mm²
AC and DC: D=DC		Drive form: E=With electronic lock
Mode: G=mode 4		Lid form: X=Standard

Application: Input connection of DC charging station system for electric vehicles.

## YGB 250P GB-Standard DC Dual-Head Charging Plug

### Technical Information

Standard: GB/T 20234.3-2023
Rated voltage: 1000V DC
Rated current: 250A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <140N
Flame retardant rating: UL94-V0
Cycles life: > 10000 times



### Product specification

Product Series:	<b>YGB 250 P D G X E 80 - 01</b>	Streamcode
GB-National standard charging products		
Current: 250-250A		Cable specifications: 70-70mm² 80-80mm²
Type: P=vehicle connector		Drive form: E=With electronic lock
AC and DC: D=DC		Lid form: X=Standard
Mode: G=mode 4		

Application: Input connection of DC charging station system for electric vehicles.



## YEU 300P CCS2 Charging Plug

### Technical Information

Standard: IEC 62196.3-2022
Rated voltage: 1000V DC
Rated current: 80A/125A/200A/250A/300A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <140N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:	<b>Y E U 3 0 0 P D G N N 1 0 0 - 0 1</b>	Streamcode
EU-European standard charging products		
Current: 80-80A 125-125A 200-200A 250-250A 300-300A		Cable specifications: 16-16mm <sup>2</sup> 25-25mm <sup>2</sup>
Type: P=vehicle connector		35-35mm <sup>2</sup> 70-70mm <sup>2</sup> 100-100mm <sup>2</sup>
AC and DC: D=DC		Drive form: N=Without electronic lock
Mode: G=mode 4		Lid form: N=without lid

Application: Input connection of DC charging station system for electric vehicles.

## YGB 32P GB-Standard AC Charging Plug (Appearance 2)

### Technical Information

Standard: GB/T20234.1-2023 GB/T20234.2-2015
Rated voltage: 220V AC
Rated current: 16A/32A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:	<b>Y G B 3 2 P A 3 X N 6 - 0 2</b>	Streamcode
GB-National standard charging products		
Current: 16-16A 32-32A		Cable specifications: 2.5-2.5mm <sup>2</sup> 6-6mm <sup>2</sup>
Type: P=vehicle connector		Drive form: N=Without electronic lock
AC and DC: A - AC Three-Phase; 0 - AC Single-Phase		Lid form: X=Standard
Mode: 3=mode 3		

Application: Input connection of AC charging station system for electric vehicles.

## YGB 32P GB-Standard AC Charging Plug (Appearance 1)

### Technical Information

Standard: GB/T20234.1-2023 GB/T20234.2-2015
Rated voltage: 250V AC/440V AC
Rated current: 16A/32A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <140N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:	<b>Y G B 3 2 P A 3 X N 6 - 0 1</b>	Streamcode
GB-National standard charging products		
Current: 16-16A 32-32A		Cable specifications: 2.5-2.5mm <sup>2</sup> 6-6mm <sup>2</sup>
Type: P=vehicle connector		Drive form: N=Without electronic lock
AC and DC: A - AC Three-Phase; 0 - AC Single-Phase		Lid form: X=Standard
Mode: 3=mode 3		

Application: Input connection of AC charging station system for electric vehicles.

## YGB 16P GB-Standard AC Discharge Plug

### Technical Information

Standard: GB/T20234.2-2015 QC/T1088-2017
Rated voltage: 220V AC
Rated current: 16A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:	<b>Y G B 1 6 P 0 3 X N 2 - 0 1</b>	Streamcode
GB-National standard charging products		
Current: 16-16A		Cable specifications: 2.5-2.5mm <sup>2</sup>
Type: P=vehicle connector		Drive form: N=Without electronic lock
AC and DC: 0 - AC Single-Phase		Lid form: X=Standard
Mode: 3=mode 3		

Application: AC Output Connection for Electric Vehicles



## YEU 32P EU AC Charging Plug

### Technical Information

Standard: IEC 62196.2-2022
Rated voltage: 250V AC/480V AC
Rated current: 16A/32A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:

EU-European standard charging products

Current: 16-16A 32-32A

Type: P=vehicle connector

AC and DC: A - AC Three-Phase; 0 - AC Single-Phase

Mode: 3=mode 3

**Y EU 32 P A 3 X N 6 - 01**

Streamcode

Cable specifications: 2.5-2.5mm<sup>2</sup> 6-6mm<sup>2</sup>

Drive form: N=Without electronic lock

Lid form: X=Standard

Application: Input connection of AC charging station system for electric vehicles.

## YGB 13P GB-Standard Mode 2 Charger(Appearance 1)

### Technical Information

Standard: GB/T20234.2-2015 GB/T18487.1-2023
Rated voltage: 220V AC±20% 50HZ
Rated current: 13A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~65°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:

GB-National standard charging products

Current: 13-13A

Type: P=vehicle connector

AC and DC: 0 - AC Single-Phase

Mode: 2=mode 2

**Y GB 13 P 0 2 X N 2 - 01**

Streamcode

Cable specifications: 2.5-2.5mm<sup>2</sup>

Drive form: N=Without electronic lock

Lid form: X=Standard

Application: AC Portable Charging System for Electric Vehicles

## YEU 32P EU AC Dual-Head Charging Plug

### Technical Information

Standard: IEC 62196.2-2022
Rated voltage: 250V AC/480V AC
Rated current: 16A/32A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~50°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:

EU-European standard charging products

Current: 16-16A 32-32A

Type: P=vehicle connector

AC and DC: A - AC Three-Phase; 0 - AC Single-Phase

Mode: 3=mode 3

**Y EU 32 P A 3 X N 6 - 01**

Streamcode

Cable specifications: 2.5-2.5mm<sup>2</sup> 6-6mm<sup>2</sup>

Drive form: N=Without electronic lock

Lid form: X=Standard

Application: Input connection of AC charging station system for electric vehicles.

## YGB 13P GB-Standard Mode 2 Charger(Appearance 2)

### Technical Information

Standard: GB/T20234.2-2015 GB/T18487.1-2023
Rated voltage: 220V AC±20% 50HZ
Rated current: 13A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~65°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



### Product specification

Product Series:

GB-National standard charging products

Current: 13-13A

Type: P=vehicle connector

AC and DC: 0 - AC Single-Phase

Mode: 2=mode 2

**Y GB 13 P 0 2 X N 2 - 02**

Streamcode

Cable specifications: 2.5-2.5mm<sup>2</sup>

Drive form: N=Without electronic lock

Lid form: X=Standard

Application: AC Portable Charging System for Electric Vehicles



# YEU 13P EU Mode 2 Charger

## Technical Information

Standard: IEC 62196.2-2022
Rated voltage: 220V AC±20% 50HZ
Rated current: 13A
Degree of protection: IP54/ IP55/ IP67
Operation temperature: -30°C~65°C
Insertion and withdrawal force: <100N
Flame retardant rating: UL94-V0
Cycles life: >10000 times



## Product specification

Product Series:	Y E U 13 P 0 2 X N 2 - 01	Streamcode
EU-European standard charging products		
Current: 13-13A		
Type: P=vehicle connector		Cable specifications: 2.5-2.5mm²
AC and DC: 0 - AC Single-Phase		Drive form: N=Without electronic lock
Mode: 2=mode 2		Lid form: X=Standard
Application: AC Portable Charging System for Electric Vehicles		

# Accessories

## GB/T DC empty sockets



Code :16000024-900  
Standard :GB/T20234.3  
Mounting dimension :72X72  
  
Application:  
This product complies with the requirements of GB/T20234.3.  
It is used to hang the corresponding standard DC vehicle connector.

## GB/T AC empty sockets



Code :16000065-900  
Standard :GB/T20234.2  
Mounting dimension :60X60  
  
Application:  
This product complies with the requirements of GB/T20234.2.  
It is used to hang the corresponding standard AC vehicle connector.

## GB/T DC Cable Clamp



Code :16000046-900  
Standard :GB/T20234.3  
Mounting dimension :54.4X65  
  
Application:  
This product complies with the requirements of GB/T20234.3.  
Designed for securing and sealing the DC charging cable of GB-standard charging guns to charging stations,  
Compatible Cable Diameter: Ø28–40 mm;



# 03 Charging Socket Series

Rated Current: 16A~400A    Rated Voltage: 250V~1000V  
Application: On-Board Charging System (OBCS)

-  Low Temperature Rise
-  Premium Quality
-  Long Service Life
-  Ultrasonic Welding
-  Flexible Customization
-  24/7 Customer Support



## YGB 400S GB-Standard DC Charging Socket

### © Technical Information

Standard: GB/T 20234.1-2023;    GB/T 20234.3-2023
Rated current: 80A/125A/200A/250A/300A/400A
Rated voltage: 750V DC / 1000V DC
Operating temperature: -30°C ~ +50°C
IP degree: Covered IP54/ Inside IP67/ Mated with Plug IP55
Insulation resistance: ≥1000MΩ
Mechanical life: >10000 times
Flame retardant rating: UL94-V0
Terminal temperature rise: <50K
Environmental requirement: RoHS compliant



### © Product Specification

Product Series:	<b>YGB 400 S D C L N 120 - 01</b>	Streamcode
GB-National standard charging products		
Current: 80-80A 125-125A 200-200A 250-250A 300-300A 400-400A		Cable Size: 25-25mm² 35-35mm² 50-50mm² 70-70mm² 95-95mm² 120-120mm²
Type: S- Charging Socket		Configuration: E- Lock Actuator L- Light Indicator
AC and DC: D- Direct Current		EL- Lock Actuator& Light Indicator N- No configuration
Type: C-Vehicle terminal		Cover form: L- Left Flap R- Right Flap X- Plug
Application: Installed on the vehicle side for DC charging of electric		

## YGB 32S GB-Standard AC Charging Socket

### © Technical Information

Standard: GB/T 20234.1-2023;    GB/T 20234.2-2015
Rated current: 16A/32A
Rated voltage: 250V AC /440V AC
Operating temperature: -30°C ~ +50°C
IP degree: Covered IP54/ Inside IP67/ Mated with Plug IP55
Insulation resistance: ≥1000MΩ
Mechanical life: >10000 times
Flame retardant rating: UL94-V0
Terminal temperature rise: <50K
Environmental requirement: RoHS compliant



### © Product Specification

Product Series:	<b>YGB 32 S 0 C L E 6 - 01</b>	Streamcode
GB-National standard charging products		
Current: 16-16A 32-32A		Cable Size: 2-2.5mm² 6-6mm²
Type: S- Charging Socket		Configuration: E- Lock Actuator L- Light Indicator
AC and DC: 0- AC (single-phase) A- AC (three-phase)		EL- Lock Actuator& Light Indicator N- No configuration
Type: C-Vehicle terminal		Cover Form: L- Left Flap R- Right Flap X- Plug
Application: Installed on the vehicle side for AC charging of electric vehicles		



YGB 400S Customized Integrated Charging Socket

Technical Information

Standard:GB/T20234.1-2023	GB/T20234.2-2015	GB/T20234.3-2023
Rated current: DC 80A/125A/200A/250A/300A/400A    AC 16A/32A		
Rated voltage: DC 750V DC/1000V DC    AC 250V AC/440V AC		
Operating temperature:-30℃~ +50℃		
IP degree:Covered IP54/ Inside IP67/ Mated with Plug IP55		
Insulation resistance:≥1000MΩ		
Mechanical life: > 10000 times		
Flame retardant rating: UL94-V0		
Terminal temperature rise: < 50K		
Environmengtal requirement: RoHS compliant		



Product Specification

Product Series:	YGB 400 S I C L E L 120 - 01	Streamcode
GB-National standard charging products		
Current: 80-80A 125-125A 200-200A		Cable Size: 5-25mm² 35-35mm² 50-50mm²
250-250A 300-300A 400-400A		70-70mm² 95-95mm² 120-120mm²
Type: S- Charging Socket		Configuration: E- Lock Actuator L- Light Indicator
AC and DC:I-AC/DC Integrated		EL- Lock Actuator& Light Indicator N- No configuration
Type: C-Vehicle terminal		Cover Form: L- Left Flap R- Right Flap X- Plug

Application: Installed on the vehicle side for AC/DC charging of electric vehicles

YEU 250S EU AC/DC Charging Socket

Technical Information

Standard:IEC 62196-1-2022	IEC 62196-2-2022	IEC 62196-3-2022
Rated current: DC 80A/125A/200A/250A	AC 16A/32A	
Rated voltage: DC 750V DC/1000V DC	AC 250V AC/480V AC	
Operating temperature:-30℃ ~ +50℃		
IP degree:Covered IP54/ Inside IP67/ Mated with Plug IP55		
Insulation resistance:≥1000MΩ		
Mechanical life: > 10000 times		
Flame retardant rating: UL94-V0		
Terminal temperature rise: < 50K		
Environmengtal requirement: RoHS compliant		



Product Specification

Product Series:	YEU 250 S D C X E 70 - 01	Streamcode
EU-European standard charging products		
Current: 80-80A 125-125A 200-200A 250-250A		Cable Size: 25-25mm² 35-35mm²
Type: S- Charging Socket		50-50mm² 70-70mm²
AC and DC:I-AC/DC Integrated D-DC		Configuration: E- Lock Actuator L- Light Indicator
Type: C-Vehicle terminal		EL- Lock Actuator& Light Indicator N- No configuration
		Cover Form: L- Left Flap R- Right Flap X- Plug

Application: Installed on the vehicle side for AC/DC charging of electric vehicles

Quick Change Terminal Charging Base

Technical Information

Standard: GB/T 20234.1-2023	GB/T 20234.3-2023
Rated current: 80A/125A/200A/250A/300A	
Rated voltage: 750V DC / 1000V DC	
Operating temperature:-30℃ ~ +50℃	
IP degree: Covered IP54/ Inside IP67/ Mated with Plug IP55	
Insulation resistance:≥1000MΩ	
Mechanical life:> 10000 times	
Flame retardant rating: UL94-V0	
Terminal temperature rise: < 50K	
Environmengtal requirement: RoHS compliant	



Product Specification

Product Series:	YGB 300 S D C L N 95 - 99	Streamcode
GB-National standard charging products		Streamcode(99:Quick-Change Terminal)
Current: 80-80A 125-125A 200-200A		Cable Size: 25-25mm² 35-35mm² 50-50mm²
250-250A 300-300A		70-70mm² 95-95mm²
Type: S- Charging Socket		Configuration: E- Lock Actuator L- Light Indicator
AC and DC: D-DC		EL- Lock Actuator& Light Indicator N- No configuration
Type: C-Vehicle terminal		Cover Form: L- Left Flap R- Right Flap X- Plug

Application: Installed on the vehicle side for DC charging of electric



# 04 High Voltage Connector Series

Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.

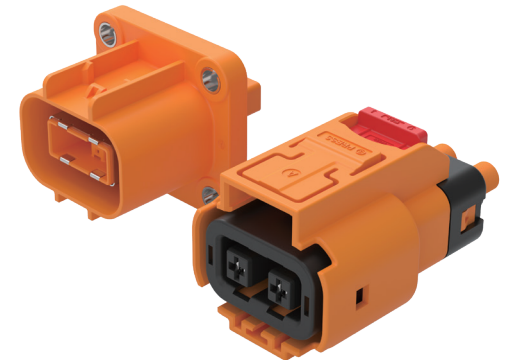
- Compact Design
- Lightweight
- Touch-Proof Protection
- User-Friendly Mounting
- High Reliability



## HV 28-Two-core 180° High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 30A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: ≥200MΩ
Dielectric strength: 3000V DC
Wire range: 2.5mm <sup>2</sup> ~4mm <sup>2</sup>
EMC: 360°Shield
Flame retardant rating: UL94-V0



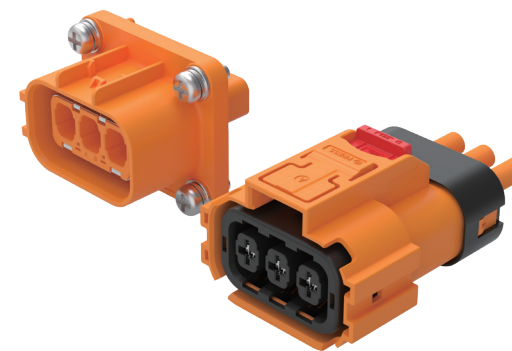
### Product specification

Product Series:	<b>YHV 28 M - 2 S H A 0 - B 4</b>	<b>YHV 28 F - 2 S H A 0 - B 4</b>	Cable Size: 2-2.5mm <sup>2</sup> 4-4mm <sup>2</sup>
HV High Voltage Plastic Connector			Connections Supported: B-Crimping Type B
Terminal Size: 28-2.8mm			Product Color: 0-Orange
Type: M-plug F-socket			Coding: A-CodeA B-CodeB C-CodeC D-Code D
Number of Contacts: 2-Two Contact			HV Interlock: H-HVIL N-NO HVIL
Structural Form: S- Straight R- Right Angle			
Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.			

## YHV 63M/F-Three-core High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 40A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: ≥200MΩ
Dielectric strength: 3000V DC
Wire range: 2.5mm <sup>2</sup> ~6mm <sup>2</sup>
EMC: 360°Shield
Flame retardant rating: UL94-V0



### Product specification

Product Series:	<b>YHV 63 M - 3 S H A 0 - B 6</b>	<b>YHV 63 F - 3 S H A 0 - B 6</b>	Cable Size: 2-2.5mm <sup>2</sup> 4-4mm <sup>2</sup> 6-6mm <sup>2</sup>
HV High Voltage Plastic Connector			Connections Supported: B-Crimping Type B
Terminal Size: 63-6.3mm			Product Color: 0-Orange
Type: M-plug F-socket			Coding: A-CodeA B-CodeB C-CodeC D-Code D
Number of Contacts: 3-three Contact 4-four Contact			HV Interlock: H-HVIL N-NO HVIL
Structural Form: S- Straight R- Right Angle			
Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.			



## YHV 63-Four-core 180° High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 40A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: ≥200MΩ
Dielectric strength: 3000V DC
Wire range: 2.5mm²~6mm²
EMC: 360°Shield
Flame retardant rating: UL94-V0



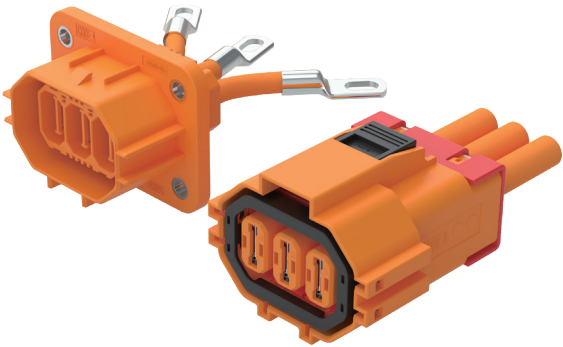
### Product specification

Product Series:	<b>YHV 63 M - 4 S H A 0 - B 6</b> <b>YHV 63 F - 4 S H A 0 - B 6</b>	Cable Size: 2-2.5mm² 4-4mm² 6-6mm²
HV High Voltage Plastic Connector		Connections Supported: B- Crimping Type B
Terminal Size: 63-6.3mm		Product Color: 0-Orange
Type: M-plug F-socket		Coding: A-CodeA B-CodeB C-CodeC D-Code D
Number of Contacts: 3-three Contact 4-four Contact		HV Interlock: H-HVIL N-NO HVIL
Structural Form: S- Straight R- Right Angle		
Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.		

## YHV 10-Three-core 180° High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 83A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +140°C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: ≥200MΩ
Dielectric strength: 4800V DC
Wire range: 10mm²
EMC: 360°Shield
Flame retardant rating: UL94-V0



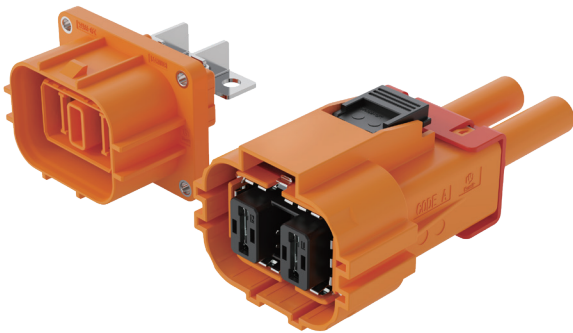
### Product specification

Product Series:	<b>YHV 10 M - 3 S H A 0 - B 10</b> <b>YHV 10 F - 3 S H A 0 - B 10</b>	Cable Size: 10-10mm²
HV High Voltage Plastic Connector		T4-M4 Through holes M4-M4 Threaded holes
Terminal Size: 10-10mm		Connections Supported: B- Crimping Type B
Type: M-plug F-socket		Product Color: 0-Orange
Number of Contacts: 3-three Contact		Coding: A-CodeA B-CodeB C-CodeC D-Code D
Structural Form: S- Straight		HV Interlock: H-HVIL N-NO HVIL
Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.		

## YHV 10-Two-core 180° High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 100A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: ≥200MΩ
Dielectric strength: 3000V DC
Wire range: 16mm²
EMC: 360°Shield
Flame retardant rating: UL94-V0



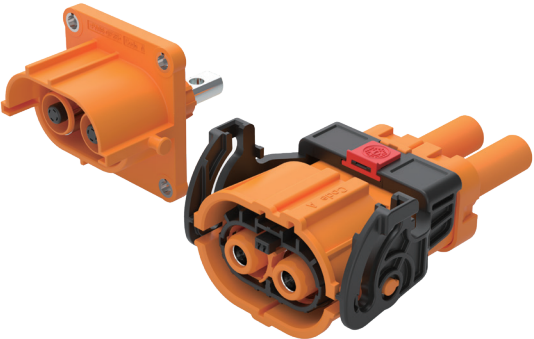
### Product specification

Product Series:	<b>YHV 10 M - 2 S H A 0 - B 16</b> <b>YHV 10 F - 2 S H A 0 - B 16</b>	Cable Size: 16-16mm²
HV High Voltage Plastic Connector		T4-M4 Through holes M4-M4 Threaded holes
Terminal Size: 10-10mm		Connections Supported: B- Crimping Type B
Type: M-plug F-socket		R-Tail Radial Hole
Number of Contacts: 2-two Contact		Product Color: 0-Orange
Structural Form: S- Straight		Coding: A-CodeA B-CodeB C-CodeC
Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.		HV Interlock: H-HVIL N-NO HVIL

## YHV 80M/F High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 250A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +120 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: ≥200MΩ
Dielectric strength: 3000V DC
Wire range: 25mm²~50mm²
EMC: 360°Shield
Flame retardant rating: UL94-V0



### Product specification

Product Series:	<b>YHV 80 M - 2 S H A 0 - A 50</b> <b>YHV 80 F - 2 S H A 0 - R M6</b>	Cable Size: 25-25mm² 35-35mm² 50-50mm²
HV High Voltage Plastic Connector		M5-M5 Threaded holes M6-M6 Threaded holes
Terminal Size: 80-8mm		Connections Supported: A-Hex Crimping
Type: M-plug F-socket		R-Tail Radial Hole T-Tail Axial Hole
Number of Contacts: 2-two Contact 3-three Contact		Product Color: 0-Orange
Structural Form: S- Straight R- Right Angle		Coding: A-CodeA B-CodeB C-CodeC D-Code D
Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.		HV Interlock: H-HVIL N-NO HVIL



## YHV 80M/F High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 250A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: $\geq 200\text{M}\Omega$
Dielectric strength: 3000V DC
Wire range: 2.5mm <sup>2</sup> ~6mm <sup>2</sup>
EMC: 360°Shield
Flame retardant rating: UL94-V0



### Product specification

Product Series:  
HV High Voltage Plastic Connector  
Terminal Size: 80-8mm  
Type: M-plug F-socket  
Number of Contacts: 3-three Contact 4-four Contact  
Structural Form: S- Straight R- Right Angle

Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.

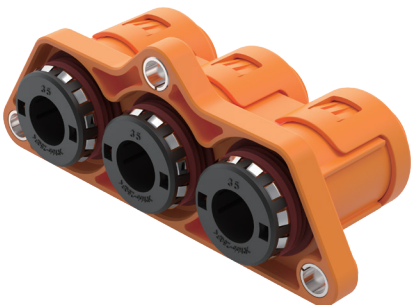
**Y HV 80 M - 2 R H A 0 - A 50**  
**Y HV 80 F - 2 S H A 0 - R M6**

Cable Size: 25-25mm<sup>2</sup> 35-35mm<sup>2</sup> 50-50mm<sup>2</sup>  
M5-M5 Threaded holes M6-M6 Threaded holes  
Connections Supported: A-Hex Crimping  
R-Tail Radial Hole T-Tail Axial Hole  
Product Color: 0-Orange  
Coding: A-CodeA B-CodeB C-CodeC D-Code D  
HV Interlock: H-HVIL N-NO HVIL

## IPT-Three-core Through Hole Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215-1
Rated current: 180A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: $\geq 200\text{M}\Omega$
Dielectric strength: 3000V DC
Wire range: 25mm <sup>2</sup> ~50mm <sup>2</sup>
EMC: 360°Shield
Flame retardant rating: UL94-V0



### Product specification

Product Series:  
IP-Through Hole Connector  
Terminal Size: 80-8mm  
Type: T-Through Hole  
Current: 150-150A 180-180A  
Structural Form: S- Straight R- Right Angle

Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.

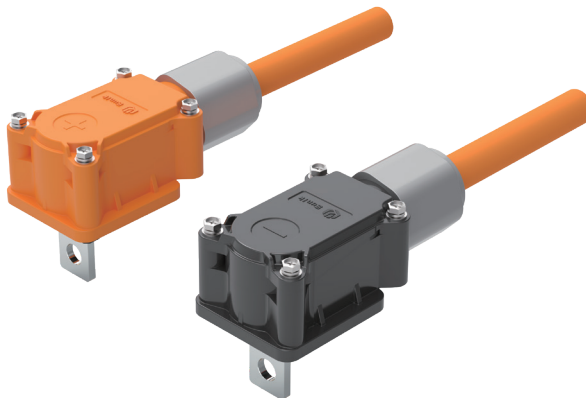
**Y IP 80 T - 180 S 3 N A 0 - A 50**

Cable Size: 25-25mm<sup>2</sup> 35-35mm<sup>2</sup> 50-50mm<sup>2</sup>  
Connections Supported: A-Hex Crimping  
Product Color: 0-Orange  
Coding: A-CodeA  
HV Interlock: N-NO HVIL  
Number of Contacts: 2-two Contact 3-three Contact

## High Voltage Junction Box

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 300A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +125 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: $\geq 200\text{M}\Omega$
Dielectric strength: 4800V DC
Wire range: 50mm <sup>2</sup> ~70mm <sup>2</sup>
EMC: 360°Shield
Flame retardant rating: UL94-V0



### Product specification

Product Series:HV-High Voltage Plastic Connector  
HB-High Voltage Metal Connector  
Terminal Size: 21-21mm  
Type: C-Copper Bar  
Number of Contacts: Single Contact  
Structural Form: S- Straight R- Right Angle

Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.

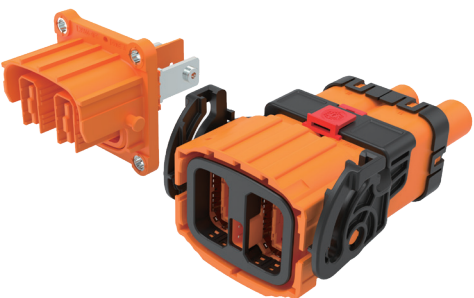
**Y HB 21 C - 1 S S N 0 - B 50**  
**Y HB 21 C - 1 S S N 1 - B 70**

Cable Size: 50-50mm<sup>2</sup> 70-70mm<sup>2</sup>  
Connections Supported: B- Crimping Type B  
Product Color: 0-Orange 1-Black  
Copper Bar Orientation: N-Front L-Left R-Right  
Terminal Nut: S-Nut-Omitted Y-With Nut

## YHV 180M/F High Voltage Connector

### Technical Information

Standards: QC/T 1067.1-2017, USCAR-2, LV215
Rated current: 300A Max. @85°C
Rated voltage: 1000V DC
Operating temperature: -40 °C to +140 °C
IP Degree: IP67,IP6K9K,IPXXD(Mated),IPXXB(Unmated)
Insulation resistance: $\geq 200\text{M}\Omega$
Dielectric strength: 3000V DC
Wire range: 50mm <sup>2</sup> ~70mm <sup>2</sup>
EMC: 360°Shield
Flame retardant rating: UL94-V0



### Product specification

Product Series:  
HV High Voltage Plastic Connector  
Terminal Size: 180-18mm  
Type: M-plug F-socket  
Number of Contacts: 2-two Contact 3-three Contact  
Structural Form: S- Straight R- Right Angle

Application: PDU, MCU, EAC, PTC, OBC, DC/DC, etc.

**Y HV 180 M - 2 S H A 0 - A 70**  
**Y HV 180 F - 2 S H A 0 - R M4**

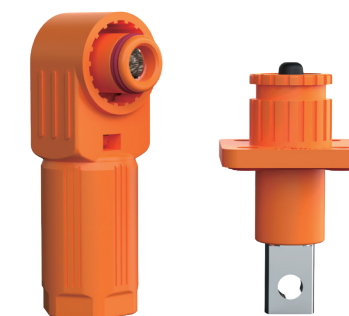
Cable Size: 50-50mm<sup>2</sup> 70-70mm<sup>2</sup>  
T4-M4 Threaded holes M5-M5 Threaded holes  
Connections Supported: A-Hex Crimping  
R-Tail Radial Hole T-Tail Axial Hole  
Product Color: 0-Orange  
Coding: A-CodeA B-CodeB C-CodeC D-Code D  
HV Interlock: H-HVIL N-NO HVIL



## YCN 60M/F 6mm Fast-plug Energy Storage Connector

### © Technical Information

Standards: UL4128, PPP51090, IEC61984
Rated voltage: 1000V DC
Rated current: 120A
Dielectric strength: 4260V AC
Insulation resistance: $\geq 5000M\Omega$
Temperature rise: $<45K$
Operating temperature: $-40^{\circ}C \sim 125^{\circ}C$
IP Rating(Mated): IP67 (Mated)
Flame retardant rating: UL94-V0
Mechanical life: $>100$ times



### © Product specification

**YCN 60 M - 120 R 1 N N 0 - A 25**  
**YCN 60 F - 120 S 1 N N 0 - R M6**

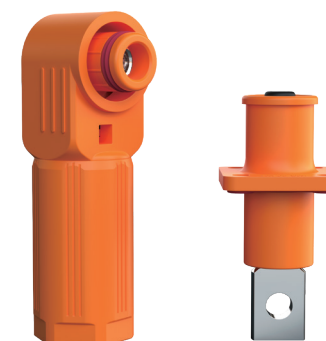
CN: Energy Storage Connector  
 60:  $\phi 6mm$   
 M: Plug F: Socket  
 120: 120A  
 S: Straight R: Right Angle  
 Single-Contact

25: 25 mm<sup>2</sup> Cable  
 M5: M5 Threaded Hole M6: M6 Threaded Hole  
 A: Hex Crimping B: Type B Crimping C: Ultrasonic  
 Welding R: Tail Radial Hole T: Tail Axial Hole  
 1: Black 0: Orange  
 N: Unkeyed Y: keyed  
 H: HVIL N: NO HVIL

## YCN 80M/F 8mm Fast-plug Energy Storage Connector

### © Technical Information

Standards: UL4128, PPP51090
Rated voltage: 1500V DC
Rated current: 200A ~ 250A
Dielectric strength: 6600V AC
Insulation resistance: $\geq 5000M\Omega$
Temperature rise: $<45K$
Operating temperature: $-40^{\circ}C \sim 125^{\circ}C$
IP Rating(Mated): IP67 (Mated)
Flame retardant rating: UL94-V0
Mechanical life: $>100$ times



### © Product specification

**YCN 80 M - 250 R 1 N N 0 - A 70**  
**YCN 80 F - 250 S 1 N N 0 - R M6**

CN: Energy Storage Connector  
 80:  $\phi 8mm$   
 M: Plug F: Socket  
 200: 200A 250: 250A  
 S: Straight R: Right Angle  
 Single-Contact

50: 50 mm<sup>2</sup> Cable 70: 70 mm<sup>2</sup> Cable  
 M6: M6 Threaded Hole M8: M8 Threaded Hole  
 A: Hex Crimping B: Type B Crimping C: Ultrasonic  
 Welding R: Tail Radial Hole T: Tail Axial Hole  
 1: Black 0: Orange  
 N: Unkeyed, Mistake Proofing  
 H: HVIL N: NO HVIL

# 05

## Energy Storage Connector Series

Rated Current: 120A~400A Rated Voltage: 1000V~1500V

Application: Portable Energy Storage/Distributed Energy Storage System/  
 Containerized BESS/Battery Pack/Distribution Box/Power Conversion System



Automotive  
Grade Quality



Low Temperature  
Rise



Anti-Misoperation  
Anti-Touch  
Anti-Misassembly



Safety Lock  
Mechanism



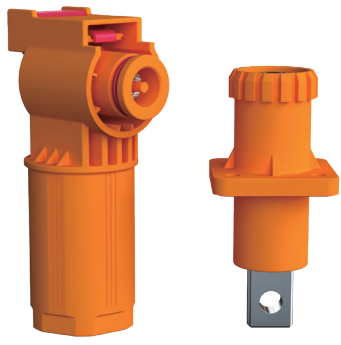
Customized  
Solutions



YCN 10M/F 10mm Fast-plug Energy Storage Connector

Technical Information

Standards: UL4128, PPP51090
Rated voltage: 1500V DC
Rated current: 300A
Dielectric strength: 6600V AC
Insulation resistance: ≥5000MΩ
Temperature rise: <45K
Operating temperature: -40°C~125°C
IP Rating(Mated): IP67 (Mated)
Flame retardant rating: UL94-V0
Mechanical life: >100 times



Product specification

Y CN 10 M - 250 R 1 N Y 0 - A 70  
Y CN 10 F - 250 S 1 N Y 0 - R M8

CN: Energy Storage Connector	70:70 mm² Cable 95:95 mm² Cable	M8:M8 Threaded Hole M10:M10 Threaded Hole
10: φ10mm	A:Hex Crimping B:Type B Crimping C:Ultrasonic	Welding R: Tail Radial Hole T:Tail Axial Hole
M:Plug F:Socket		1:Black 0:Orange
250:250A 300:300A		N: Unkeyed Y: keyed
S: Straight R: Right Angle		H: HVIL N: NO HVIL
Single-Contact		

YCN 12M/F 12mm Fast-plug Energy Storage Connector

Technical Information

Standards: UL4128, PPP51090A
Rated voltage: 1500V DC
Rated current: 300A~350A
Dielectric strength: 6600V AC
Insulation resistance: ≥5000MΩ
Temperature rise: <45K
Operating temperature: -40°C~125°C
IP Rating(Mated): IP67 (Mated)
Flame retardant rating: UL94-V0
Mechanical life: >100 times



Product specification

Y CN 12 M - 350 R 1 N N 0 - A 120  
Y CN 12 F - 350 S 1 N N 0 - R M8

CN: Energy Storage Connector	95:95 mm² Cable 120:120 mm² Cable	M8: M8 Threaded Hole M10:M10 Threaded Hole
12: φ12mm	A: Hex Crimping B:Type B Crimping C:Ultrasonic	Welding R:Tail Radial Hole T:Tail Axial Hole
M:Plug F:Socket		1:Black 0:Orange
300:300A 350:350A		N:Unkeyed, Mistake Proofing
S: Straight R: Right Angle		H:HVIL N:NO HVIL
Single-Contact		

YCN 16/24B Threaded Terminal Connector

Technical Information

Rated voltage: 1500V DC
Rated current: 120A~400A
Dielectric strength: 3000V AC
Insulation resistance: ≥5000MΩ
Operating temperature: -40°C~125°C
Flame retardant rating: UL94-V0



Product specification

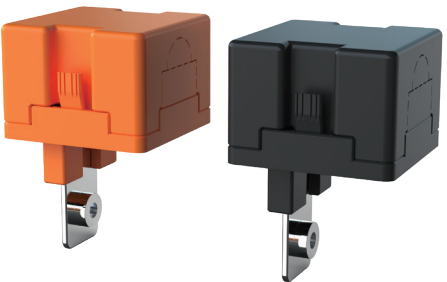
Y CN 16 B - 250 S 1 N N 0 - R M8

CN: Energy Storage Connector	M8: M8Threaded Hole M10: M10Threaded Hole
16: φ16mm 24: φ24mm	
B: Terminal Block C: Copper Busbar Type	R: Tail Radial Hole T: Tail Axial Hole
120A~400A	1: Black 0: Orange
S: Straight R: Right Angle	N: Unkeyed, Mistake Proofing
Single-Contact	H: HVIL N: NO HVIL

YCN 20C Copper Strip Connector

Technical Information

Rated voltage: 1500V DC
Rated current: 200A
Dielectric strength: 5000V AC
Insulation resistance: ≥2000MΩ
Operating temperature: -40°C~125°C
IP Rating(Mated): IPXXB
Flame retardant rating: UL94-V0



Product specification

Y CN 20 C - 200 R 1 N N 0 - R M5

CN: Energy Storage Connector	M5: M5Threaded Hole
20: 20mm	
B: Terminal Block C: Copper Busbar Type	R: Tail Radial Hole T: Tail Axial Hole
200A	1: Black 0: Orange
S: Straight R: Right Angle	N: Unkeyed, Mistake Proofing
Single-Contact	H: HVIL N: NO HVIL



