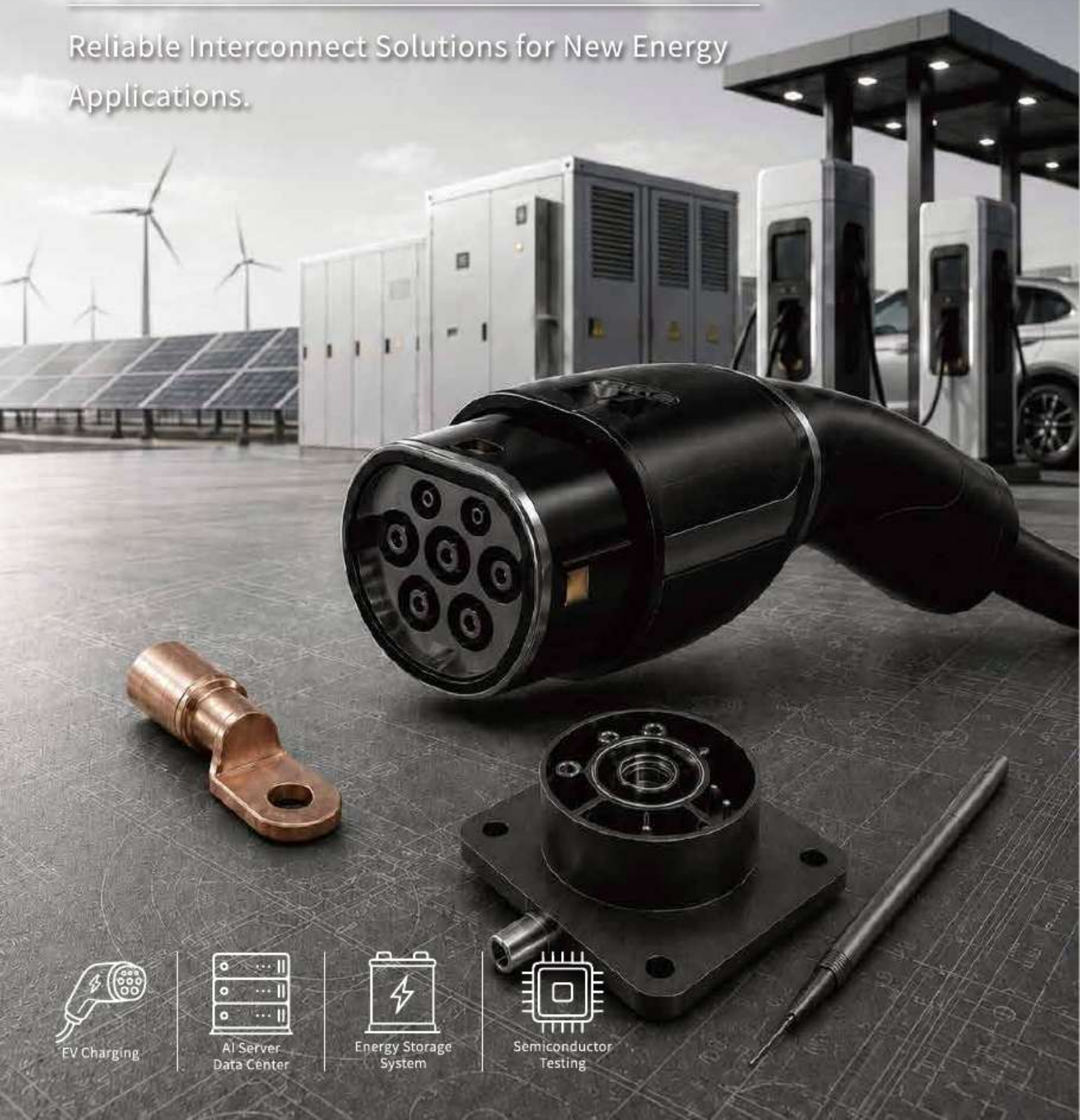




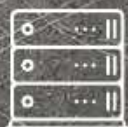
C.C.P. CONTACT PROBES

NEW ENERGY INTERCONNECT SOLUTIONS

Reliable Interconnect Solutions for New Energy
Applications.



EV Charging



AI Server
Data Center



Energy Storage
System



Semiconductor
Testing



C.C.P. CONTACT PROBES

NEW ENERGY INTERCONNECT SOLUTIONS

Connecting the Future through Precision



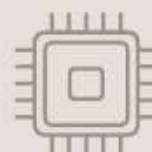
EV Charging



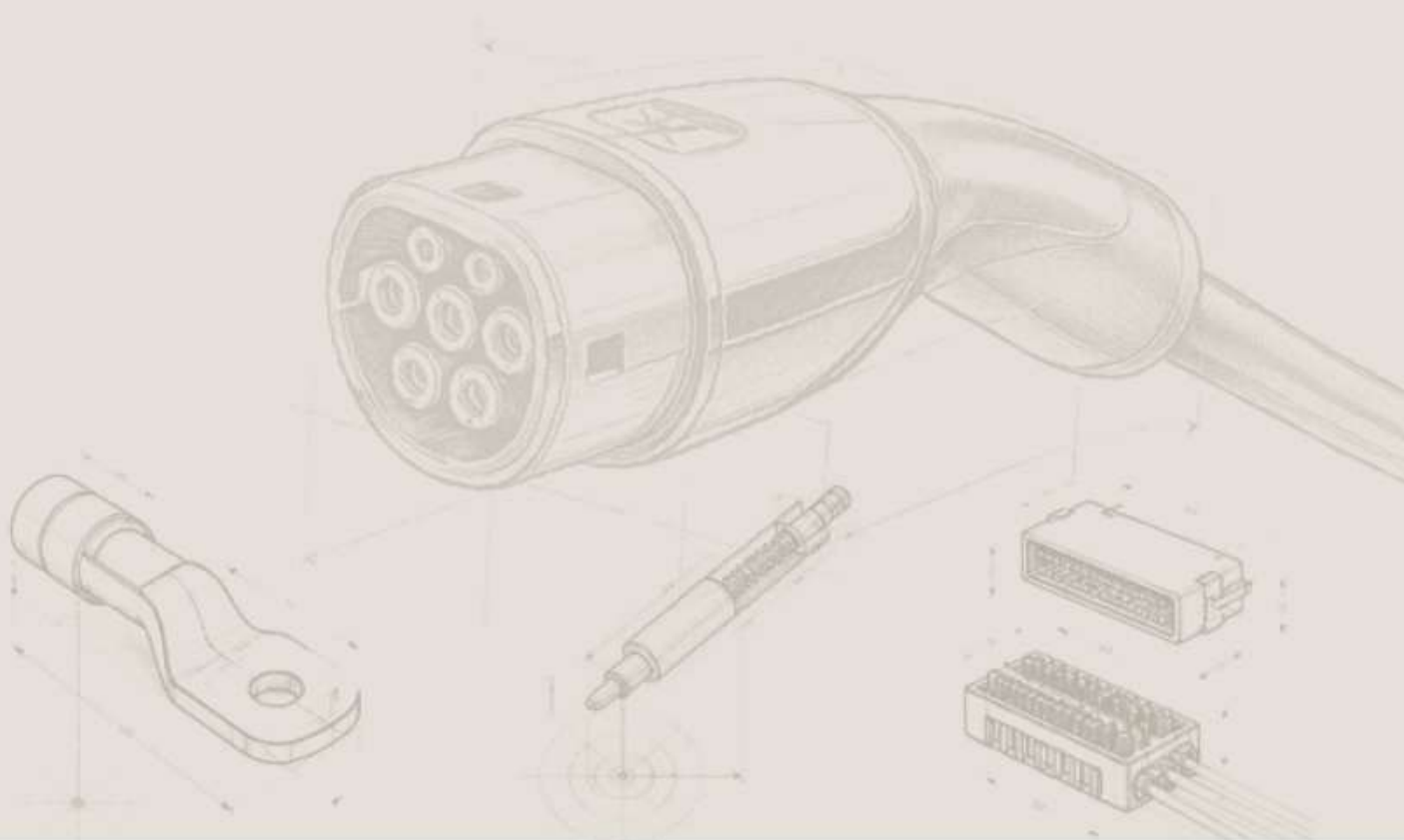
Energy Storage
System

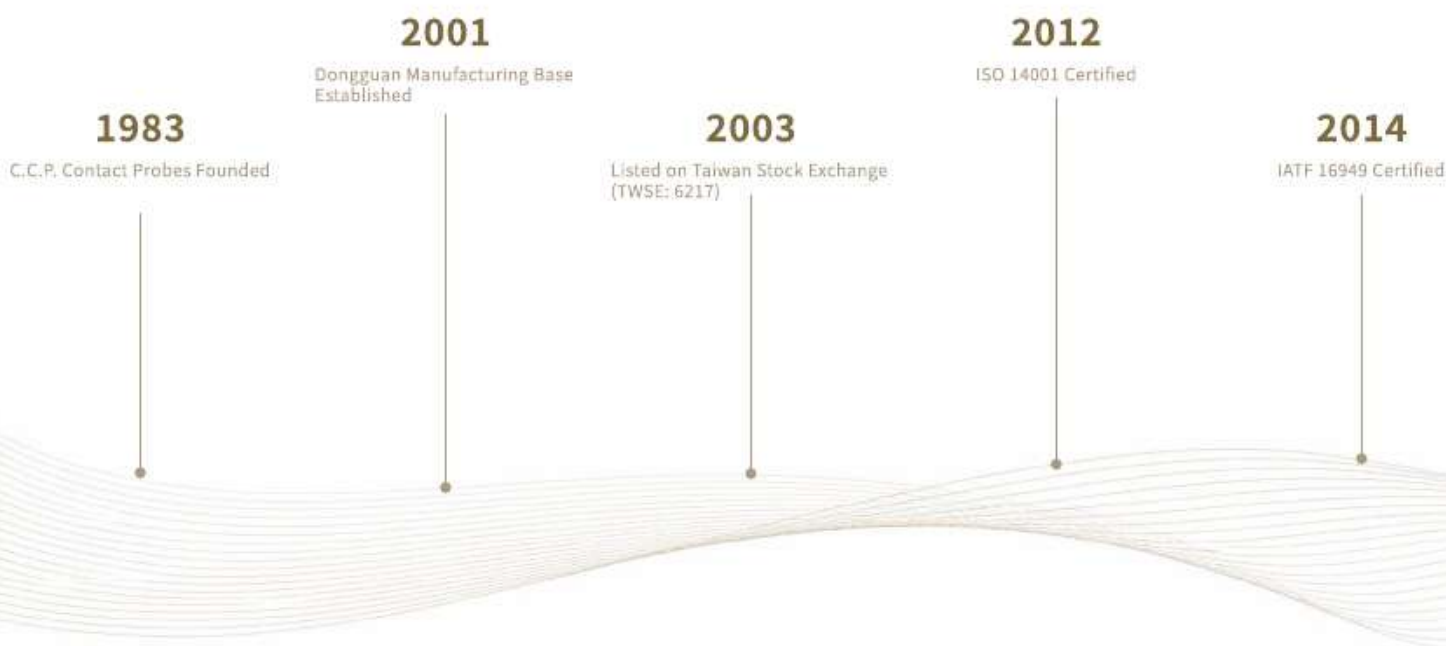


AI Server
Data Center



Semiconductor
Testing





About C.C.P.

High-Precision Interconnect Solutions for the Future of Electronics, Robotics, and Mobility.

C.C.P. Contact Probes Co., Ltd. is a global innovator in contact probes, pogo pins, and advanced spring-loaded interconnect solutions.

Since 1983, we have powered the world's leading electronics companies, including Apple and Amazon, with reliable, high-precision components engineered for next-generation devices.

Backed by strong R&D and a commitment to continuous innovation, we deliver connectivity solutions that set new standards for performance and quality.

Publicly listed on the Taiwan Stock Exchange since 2003, we now operate across the U.S., China, Germany, India, Japan, and Singapore.

We serve customers worldwide with fast, flexible, and future-ready technologies.

Global Customers



Trusted by world-class consumer brands.

Leading Consumer Electronics — smartphones, smartwatches, wearable devices



Supporting top global platform companies.

Top-tier E-commerce & Smart Home Platforms — home security, smart doorbells, IoT sensors



Preferred by next-generation mobility leaders.

Major EV & Robotics Innovators — electric motorcycles, EV makers, humanoid robots



Empowering global semiconductor ecosystems.

World-class Semiconductor Test & Measurement Companies

2020

Global Expansion
Subsidiaries in the U.S., EU,
India, and Southeast Asia

2021

Stamping Plant Established
ISO 13485:2016 Certified

2023

Capacity Expansion
Jinjiang Plant & Vietnam
Subsidiary

2024

Maanshan Guan De Electronic
Technology Co., Ltd.

2025

Vietnam Automated
Manufacturing Plant Completed
Office Facilities Completed

Industries We Serve



Testing
Solutions



Consumer Electronic
Connector Solutions



High Current
Connector Solutions



Industrial
Connector Solutions



Magnesium
Alloy Solutions

CONNECTING THE FUTURE THROUGH PRECISION.



Expanding Globally, Delivering Consistently



Global Locations
Supporting Worldwide
Operations

20+

Worldwide Coverage

Solutions Delivered
Proven Across Industries

10K+

Projects Completed

Testing Capabilities
Ensuring Performance &
Reliability

200+

Validation Methods

Asia Pacific

Fujian HQ
Dongguan
Shenzhen
Shanghai
Beijing
Chengdu
Chongqing
Kunshan
Wuhan
Hong Kong

Taiwan

Taipei HQ
Kaohsiung
Hsinchu

East Asia

Tokyo
Seoul

South Asia

Bangalore

Southeast Asia

Hanoi
Singapore

Europe

Frankfurt

North America

San Jose

Company Culture



Respect

Commitment to Customers and
Global Standards



Responsibility

Ownership in Execution and
a Team Commitment



Collaboration

Building Long-term
Partnerships



Integrity

Ensuring Precision and
Reliability

01

[PRODUCT LINES]

Charging Solutions	06
Connector Solutions	31
Terminal Solutions	48
Test Probe Solutions	50

02

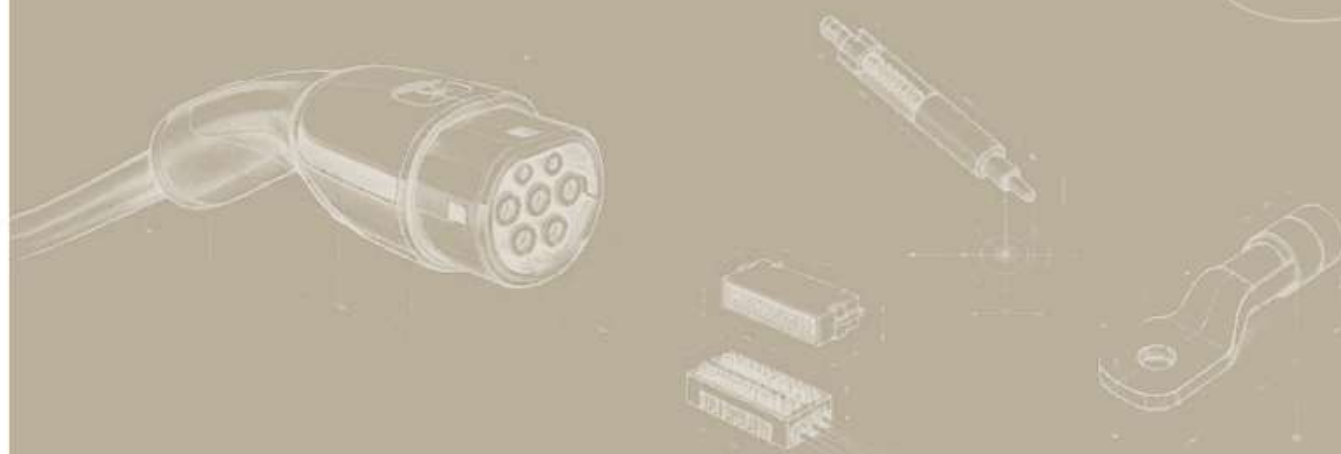
[APPLICATIONS]

52	EV & Charging
	Energy Storage System
	AI Server & Data Center
	Semiconductor Testing

03

[CAPABILITIES & TRUST]

Certifications	54
Testing & Validation	





CHARGING SOLUTIONS

Engineered for Reliable EV Charging Performance

TYPE 1 | TYPE 2 | TYPE 2 CABLE | CCS1 | CCS2 | TYPE 6

SAE J1772-2016
US Standard

TYPE 1 (SAE J1772) AC CHARGING GUN

Reliable AC Charging Solution Engineered for Safe and Stable Charging Performance

Application Field

Residential



AC Household Charger

- Portable EV Charger
- Wall-Box Charger

Commercial



Business or Workplace EVSE

- Business District
- Shopping Center

Station



Public Charging Station

- Service Station
- Parking Lot

Public



Public Charging Infrastructure

- Roadway
- Street or Park



Structure



1 Safety Lock

Anti-loose locking mechanism for secure connection

2 Crown Spring Terminal

Ensures stable current transmission with low contact resistance

3 Integrated Housing Body

High-strength design for durability and impact resistance

4 Ergonomic Grip

Optimized for comfortable handling

5 High-Durability Cable

Designed for long-term outdoor usage

Certifications



UL Certification

UL 2251 – Safety Standard for Plugs, Receptacles, and Couplers for Electric Vehicles



PSE Certification (Japan)

Complies with Japanese Electrical Appliance and Material Safety Law



TÜV Rheinland Certification

Certified Connector for Conductive Charging of Electric Vehicles



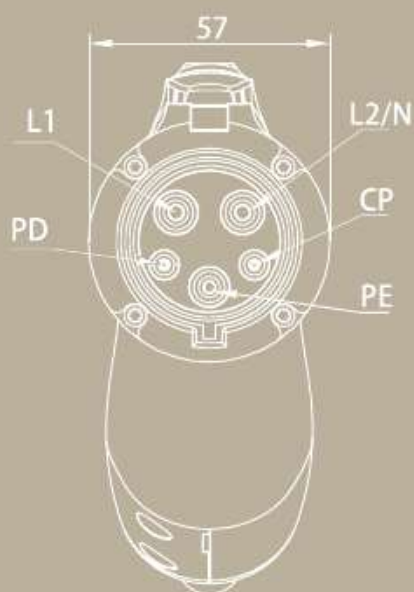
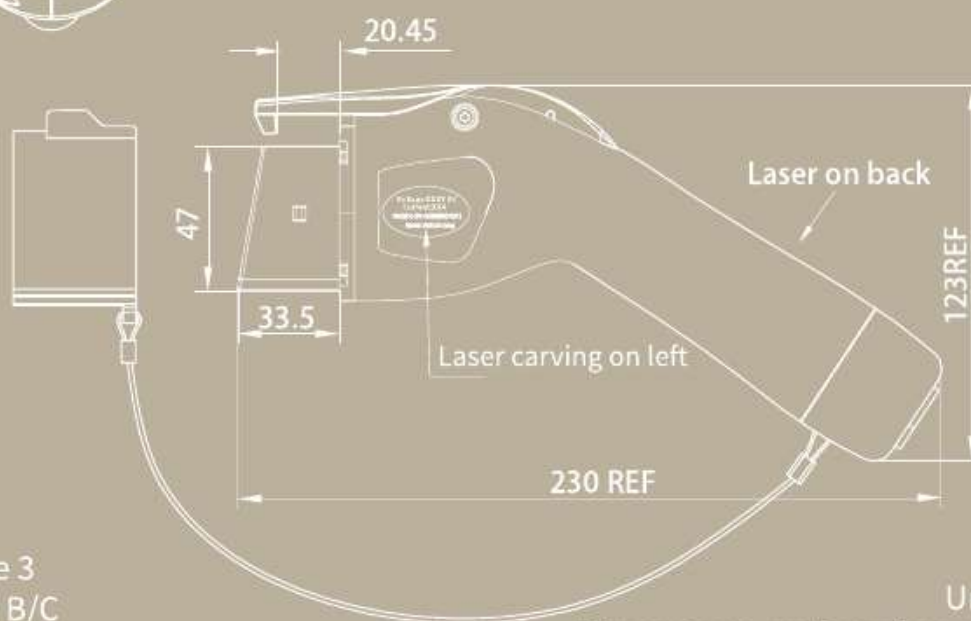
CB Certification

Tested for compliance with international harmonized standards



Compliant with SAE J1772-2016

Dimension

Type 1 SAEJ1772
AC Vehicle ConnectorCharging Mode 3
Charging Case B/CUnit: mm
Dimensions are for reference only.

Model P/N	Voltage	Current	Cable OD
A-SM-AC016000-001S	120 V	16 A	14.5 mm
A-SM-AC032000-001S	240 V	32 A	18.5 mm
A-SM-AC050000-001S	240 V	50 A	22.8 mm
A-SM-AC080000-001S	240 V	80 A	23.5 mm
Insulation Resistance	Insertion Force	IP Rating	Mating Cycle
≥5MΩ (500V DC)	≤100 N	IP 55	≥10,000
Withstanding Voltage	Flammability Class	Operating Temperature	
2000V (AC 1 Min)	UL 94-V0	-30°C ~ +50°C	



Key Features



SAE J1772 Compliant

Compliant with SAE J1772 standard, ensuring reliable compatibility for AC charging applications.



Crown Spring Terminal

Ensures stable current transmission with low insertion force and low contact resistance.



Low Contact Resistance

Optimized contact design to reduce resistance and improve efficiency.



IP55 Protection

Rated IP55 for protection against dust and water during daily operation.

Key Advantages



Robust Housing Structure

Integrated housing design for excellent impact resistance and waterproof performance.



Advanced Contact Engineering

Advanced engineering delivering anti-corrosion, low resistance and high performance.



Integrated Manufacturing Capability

Integrated manufacturing with in-house plating, CNC and molding capabilities.



IEC 62196-2
EU Standard



TYPE 2 (IEC 62196-2) AC CHARGING GUN

Reliable AC Charging Solution Engineered for Safe and Stable Charging Performance

Application Field

Residential



AC Household Charger

- Portable EV Charger
- Wall-Box Charger

Commercial



Business or Workplace EVSE

- Business District
- Shopping Center

Station



Public Charging Station

- Service Station
- Parking Lot

Public



Public Charging Infrastructure

- Roadway
- Street or Park



Structure



1 Crown Spring Terminal
Stable current with low contact resistance

2 Ergonomic Grip
Optimized for comfortable handling

3 Plug Color
Available in black and grey

4 High-Durability Cable
Designed for long-term outdoor usage

Certifications

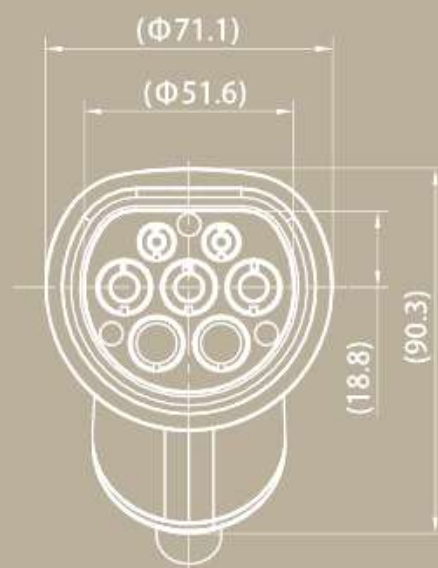


TÜV Rheinland Certification
Certified for EV charging connectors



IEC 62196-2 & -3 Standard
Electric vehicle conductive charging couplers

Dimension

Type 2 IEC 62196
AC Vehicle Connector1-Phase
5 Pins3-Phase
7 Pins

Vehicle Gun

Charging Mode 3
Charging Case B/C

Unit: mm

Dimensions are for reference only.

Model P/N	Number of Phase	Voltage	Current	Cable
A-EM-AC016000-002S	1-Phase	250V	16A	3x2.5mm ² +1x0.5mm ²
A-EM-AC032000-001S	1-Phase	250V	32A	3x6mm ² +1x0.5mm ²
A-EM-AC016000-003S	3-Phase	480V	16A	5x2.5mm ² +1 x0.5mm ²
A-EM-AC032000-002S	3-Phase	480V	32A	5x6mm ² +1x0.5mm ²
Insulation Resistance		Insertion Force		Mating Cycle
≥5MΩ (500V DC)		≤100 N		≥10,000
Withstanding Voltage		Flammability Class		Operating Temperature
2500V (AC 1 Min)		UL 94-V0		-30°C ~ +50°C



AC Vehicle Connector
AC Infrastructure Plug



TYPE 2 (IEC 62196-2) AC CHARGING GUN



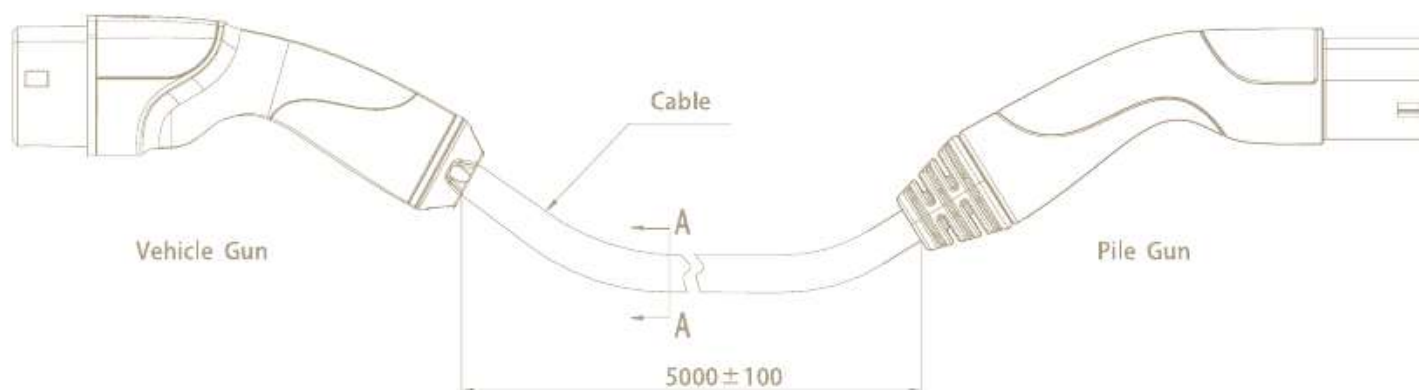
Type 2 to Type 2 Charging Solution



1-Phase
5 Pins

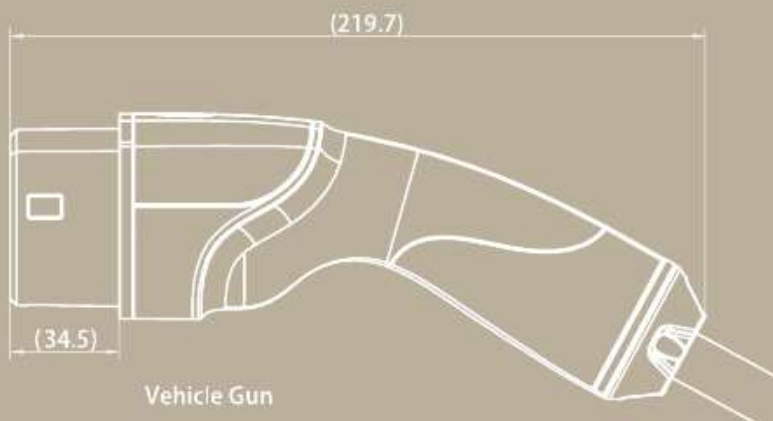
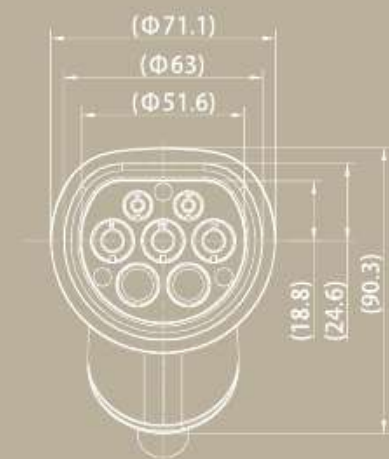


3-Phase
7 Pins

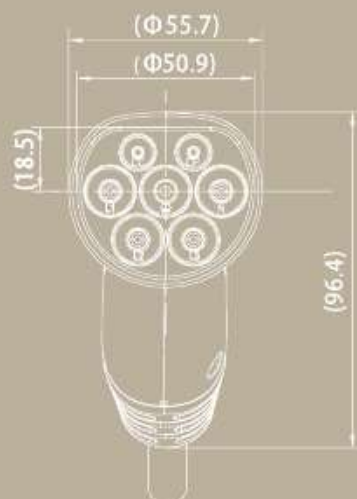


Charging Mode 3
Charging Case B

Dimension



Vehicle Gun



Pile Gun

Unit: mm
Dimensions are for reference only.

Model P/N	Number of Phase	Voltage	Current	Cable
A-EM-AC016000-005S	1-Phase	250 V	16 A	$3 \times 2.5\text{mm}^2 + 1 \times 0.5\text{mm}^2$
A-EM-AC032000-003S	3-Phase	480 V	32 A	$5 \times 6\text{mm}^2 + 1 \times 0.5\text{mm}^2$

Insulation Resistance	Insertion Force	IP Rating	Mating Cycle
$\geq 5\text{M}\Omega$ (500V DC)	≤ 100 N	IP 54	$\geq 10,000$

Withstanding Voltage	Flammability Class	Operating Temperature
2500V (AC 1 Min)	UL 94-V0	-30°C ~ +50°C



Key Features



IEC 62196-2 Compliant

Compliant with IEC 62196-2 standard, ensuring compatibility with AC charging applications.



3-Phase Charging Support

Supports both single-phase and three-phase AC charging applications.



Low Contact Resistance

Optimized contact design to reduce resistance and improve efficiency.



IP54 Protection

Rated IP54 for protection against dust and water during daily operation.

Key Advantages



Robust Housing Structure

Integrated housing design for excellent impact resistance and waterproof performance.



Advanced Contact Engineering

Advanced engineering delivering anti-corrosion, low resistance and high performance.



Versatile Charging Compatibility

Designed for residential, commercial and public charging infrastructure



Combo 1
US Standard



CCS1 DC CHARGING GUN

Engineered for Stable High-Power DC Charging Performance

Application Field

Residential



DC Household Charger

- Wall-Box Charger
- Private Carport

Commercial



Business or Workplace EVSE

- Business District
- Shopping Center
- Logistics Center

Station



Public Charging Station

- Service Station
- Parking Lot

Public



Public Charging Infrastructure

- Roadway
- Street or Park



Structure



1 Safety Lock
Anti-loose locking structure

2 Ergonomic Grip
Multi-texture handling design

3 High-Durability Cable
80A / 200A current support

4 Logo Label
Custom branding support

5 Crown Spring Terminal
Copper alloy with silver plating

Certifications



UL Certification

UL 2251 – Safety Standard for Plugs,
Receptacles, and Couplers for Electric Vehicles



Compliant with SAE J1772-2016

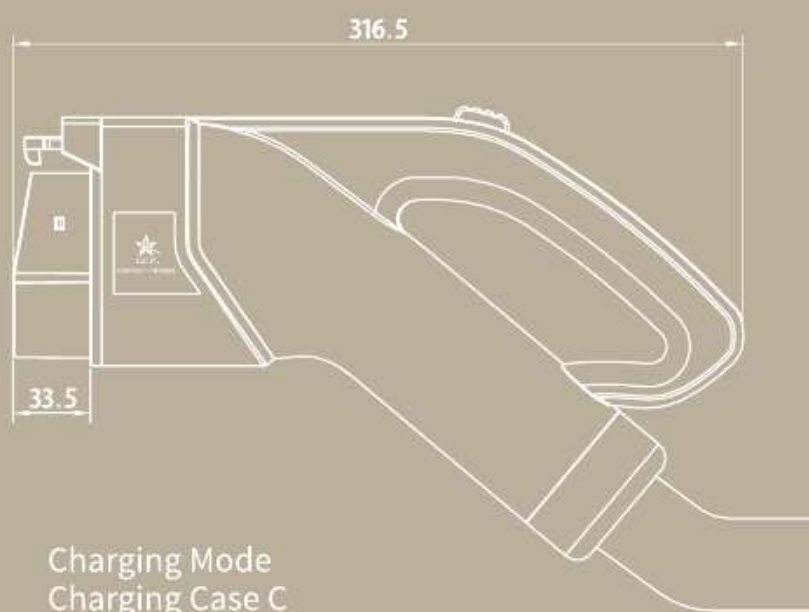
Dimension



CCS1 (Combo 1)
DC Vehicle Connector



3/4



Charging Mode
Charging Case C

Unit: mm

Dimensions are for reference only.

Model P/N	Voltage	Current	Cable Specification	Cable OD
CCP CCS1 1000V(DC) 80A	1000 V	80A	2 × 6AWG + 1 × 8AWG + 6 × 18AWG	23.8 ± 0.6 mm
CCP CCS1 1000V(DC) 200A	1000 V	200 A	2 × 1AWG + 1 × 3AWG + 6 × 18AWG	35.2 ± 0.7 mm
CCP CCS1 1000V(DC) 300A	1000 V	300 A	4 × 1/0AWG + 1 × 4AWG + 6 × 18AWG	44.5 ± 1.0 mm

Insulation Resistance	Insertion Force	IP Rating	Mating Cycle
5MΩ(1000 V DC)	≤100N	IP 67	≥10,000

Withstanding Voltage	Flammability Class	Operating Temperature
3000V(AC1Min)	UL94-V0	-30°C~+50°C



Key Features



High-Power DC Charging

Designed for reliable CCS1 DC fast charging applications.



Stable Charging performance

Provides reliable conductivity with low contact resistance for stable power delivery.



Low Contact Resistance

Optimized contact design to reduce resistance and improve efficiency.



IP67 Protection

Rated IP67 for protection against dust and water, suitable for outdoor environments.

Key Advantages



Robust Housing Structure

Integrated housing design for enhanced impact resistance and waterproof protection.



Advanced Contact Engineering

Advanced engineering delivering anti-corrosion, low resistance and high performance.



Enhanced Charging Reliability

Designed for stable high-power DC charging applications.



Combo 2
EU Standard



CCS2 DC CHARGING GUN

Engineered for Stable High-Power DC Charging Performance

Application Field

Residential



DC Household Charger

- Wall-Box Charger
- Private Carport

Commercial



Business or Workplace EVSE

- Business District
- Shopping Center
- Logistics Center

Station



Various Charging Standard EVSE

- Service Station
- Parking Lot

Public



Municipal Charging Platform

- Roadway
- Street or Park



Patent No.
CN 206893841 U

1 Ergonomic Grip
Optimized for comfortable, stable charging operation.

2 High-Durability Cable
80A / 200A rated for reliable high-current transmission.

3 Logo Label
Customizable for OEM branding and product identification.

4 Crown Spring Terminal
Low contact resistance for stable, efficient power transfer.

Certifications



TÜV Rheinland Certification
Certified Connector for Conductive Charging of Electric Vehicles



CB Certification
Tested for compliance with international harmonized standards



IEC 62196-2 & -3 Standard
Electric vehicle conductive charging couplers.

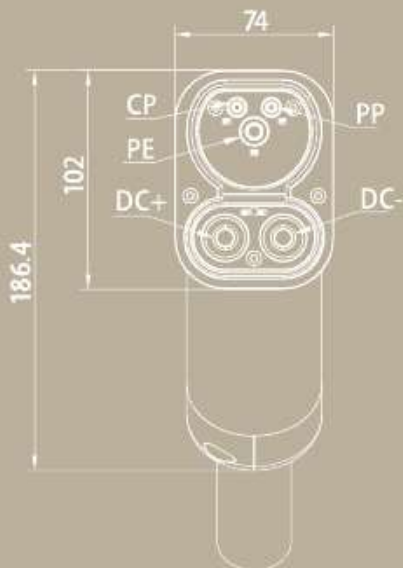


EN 17186:2019
The consumer's identification information of vehicles and infrastructures compatibility on EV power supply

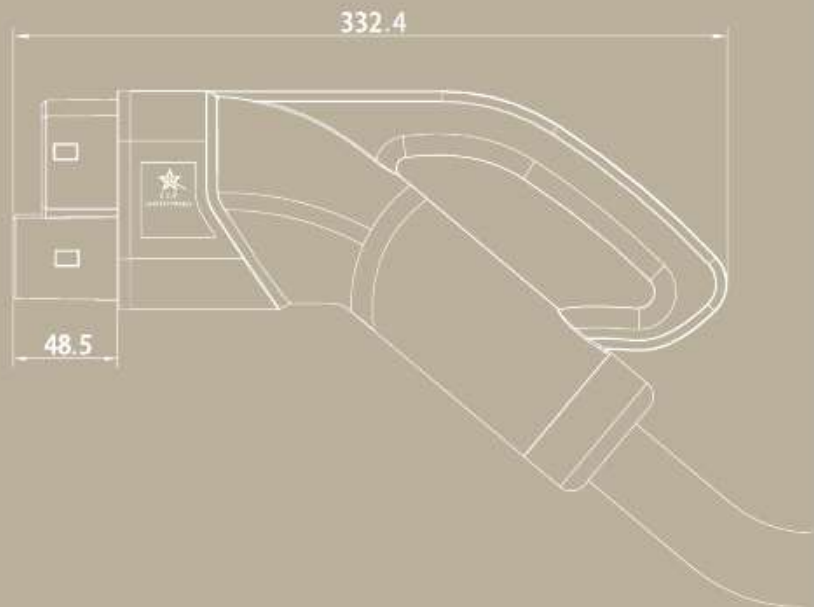
Dimension



CCS2 IEC 62196
DC Vehicle Connector



Charging Mode 3/4
Charging Case C



Unit: mm
Dimensions are for reference only.

Model P/N	Voltage	Current	Cable Specification	Cable OD
CCP CCS2 1000V(DC) 200A	1000 V	200 A	$2 \times 50 \text{ mm}^2 + 1 \times 25 \text{ mm}^2 + 8 \times 0.75 \text{ mm}^2$	$28.6 \pm 1.0 \text{ mm}$
CCP CCS2 1000V(DC) 300A	1000 V	300 A	$4 \times 1/0\text{AWG} + 1 \times 4\text{AWG} + 6 \times 18\text{AWG}$	$44.5 \pm 1.0 \text{ mm}$

Insulation Resistance	Insertion Force	IP Rating	Mating Cycle
$\geq 5 \text{ M}\Omega$ (1000 V DC)	$\leq 100 \text{ N}$	IP 67	$\geq 10,000$

Withstanding Voltage	Flammability Class	Operating Temperature
3000 V (AC 1 Min)	UL 94-V0	$-30^\circ\text{C} \sim +50^\circ\text{C}$



Key Features



High-Power DC Charging

Designed for reliable CCS2 DC fast charging applications.



Stable Charging Performance

Provides reliable conductivity with low contact resistance for stable power delivery.



Low Contact Resistance

Optimized contact design to reduce resistance and improve efficiency.



IP67 Protection

Rated IP67 for protection against dust and water in outdoor charging environments.

Key Advantages



Robust Housing Structure

Integrated housing design for enhanced impact resistance and waterproof protection.



Advanced Contact Engineering

Advanced contact engineering for anti-corrosion, low resistance and high-performance charging.



Enhanced Charging Reliability

Designed for stable high-power DC charging applications.



IEC 62196-6
Type 6
Charging Interface

TYPE 6 (IEC 62196-6) DC CHARGING GUN

Reliable Charging Solution for E-Scooter Applications

Application Field

Personal Mobility



E-Scooter Charging

- Personal E-Scooter
- Light EV

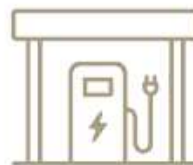
Commercial



Commercial Fleet Charging

- Delivery Fleet
- Shared Mobility

Charging Station



Battery Charging

- Charging Cabinet
- Service Center

Public Infrastructure



Public Charging Network

- Parking Facility
- Urban Mobility Hub



Type 6 Air Structure

**1****Safety Lock**

Anti-loose locking mechanism for secure connection

2**Front Interface Housing**

Reinforced front-end housing for stable mating and connection

3**Integrated Housing Body**

High-strength housing design for durability and impact resistance

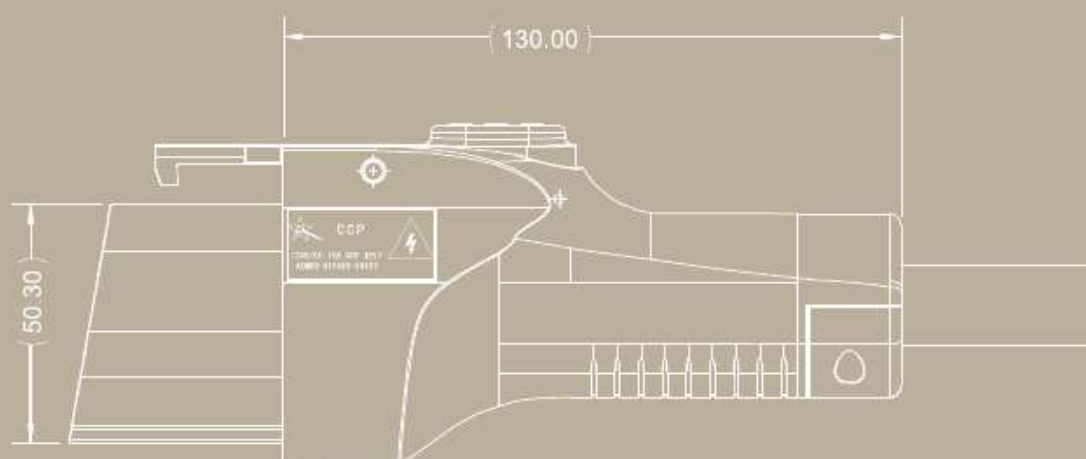
4**Ergonomic Grip**

Textured grip area for comfortable and secure handling

5**Female Terminal**

Copper alloy with silver plating for stable current transmission.

Dimension

TYPE 6 (IEC 62196-6)
DC Charging ConnectorUnit: mm
Dimensions are for reference only.

Model	Voltage	Current	Contacts
TYPE 6 AIR 15A	120V	15A	2 Power + 5 Signal
TYPE 6 AIR 30A	120V	30A	2 Power + 5 Signal
TYPE 6 AIR 45A	120V	45A	2 Power + 5 Signal
TYPE 6 AIR 60A	120V	60A	2 Power + 5 Signal
25A • EXISTING MODEL *	120V	25A	2 Power + 2 Signal

* Common specifications apply to TYPE 6 AIR 15A / 30A / 45A / 60A only.

Insulation Resistance	LLCR	IP Rating	Mating Cycle
≥ 500 MΩ	2.0 mΩ	IP67	≥ 10,000
Dielectric Strength	Flammability Class	Operating Temperature	Insertion Force
2000V AC	UL94 V-0	-25°C ~ +90°C	< 100 N



Type 6 Pro Structure



Electronic Lock

Motorized locking system with lock/unlock status feedback

1 Safety Lock

Anti-loose locking mechanism for secure connection

2 Front Interface Housing

Reinforced front-end housing for stable mating and connection

3 Integrated Housing Body

High-strength housing design for durability and impact resistance

4 Ergonomic Grip

Textured grip area for comfortable and secure handling

5 Female Terminal

Copper alloy with silver plating for stable current transmission.

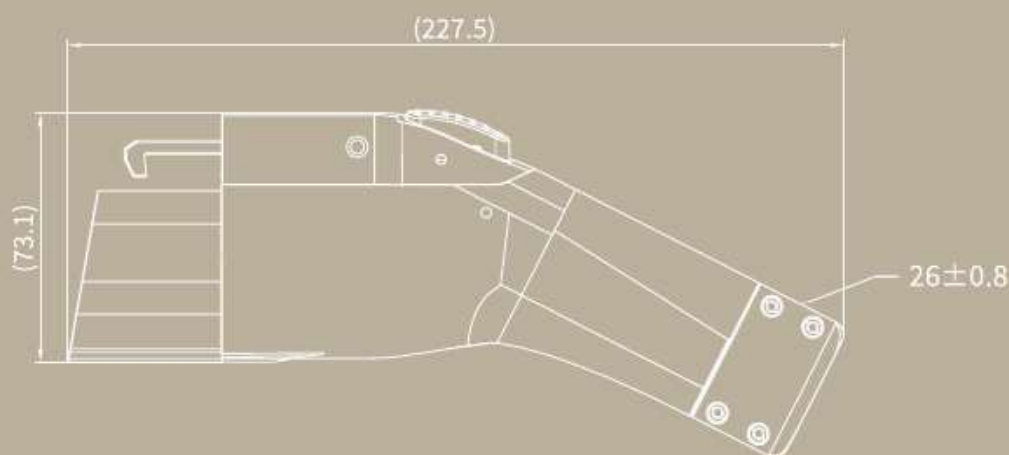
Certifications



TÜV Rheinland Certification

Certified for EV charging connectors

Dimension

TYPE 6 (IEC 62196-6)
DC Charging ConnectorUnit: mm
Dimensions are for reference only.

Model	Voltage	Current	Contacts
TYPE 6 PRO 90A	120V	90A	2 Power + 5 Signal
TYPE 6 PRO 100A	120V	100A	2 Power + 5 Signal
TYPE 6 PRO 120A	120V	120A	2 Power + 5 Signal
TYPE 6 PRO 160A	120V	160A	2 Power + 5 Signal

Insulation Resistance	LLCR	IP Rating	Mating Cycle	Electronic Lock
≥ 500 MΩ	2.0 mΩ	IP67	≥ 10,000	Yes

Dielectric Strength	Flammability Class	Operating Temperature	Insertion Force
2000V AC	UL94 V-0	-25°C ~ +90°C	< 100 N



Key Features



IEC 62196-6 Standard

Designed based on IEC 62196-6:2022 for Type 6 charging applications.



Reliable Connection Design

Provides reliable electrical connection for stable charging performance.



Low Contact Resistance

Optimized contact design to reduce resistance and improve efficiency.



IP67 Protection

Rated IP67 for protection against dust and water during daily operation.

Key Advantages



Robust Housing Structure

Integrated housing design for excellent impact resistance and waterproof performance.



Advanced Contact Engineering

Advanced engineering delivering anti-corrosion, low resistance and high performance.



Integrated Manufacturing Capability

Integrated manufacturing with in-house plating, CNC and molding capabilities.



CONNECTOR SOLUTIONS

Engineered for Reliable Power Connectivity
E-MOBILITY CONNECTOR | E-BIKE CONNECTOR

V3 P Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	200V DC	
Rated current	70A	3A
Applicable wire	8AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

V3 R Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	200V DC	
Rated current	70A	3A
Applicable wire	8AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

L3 P Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	200V DC	
Rated current	100A	3A
Applicable wire	6AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

L3 R Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	200V DC	
Rated current	100A	3A
Applicable wire	6AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

Q3 P Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	200V DC	
Rated current	70A	3A
Applicable wire	8AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

Q3 R Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	200V DC	
Rated current	70A	3A
Applicable wire	8AWG	20~22AWG
Mating Cycles	10000	
IP code	IP55	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP55 Protection



Floating Contact Structure



10,000 Mating Cycles

H3 P Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	100V DC	
Rated current	100A	3A
Applicable wire	6AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

H3 R Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
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Mating Cycles	10000	
IP code	IP55	
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Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

Key Features



Coaxial Power Design



IP55 Protection



Floating Contact Structure



10,000 Mating Cycles

H6 P Series

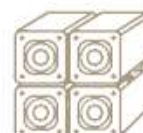
E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	100V DC	
Rated current	100A	3A
Applicable wire	6AWG	20~22AWG
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

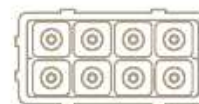
Key Features



Modular Structure



IP67 Protection



Rectangular Array Layout



Replaceable Components

H6 R Series

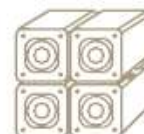
E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated voltage	100V DC	
Rated current	100A	3A
Applicable wire	6AWG	20~22AWG
Mating Cycles	10000	
IP code	IP55	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	20mΩ max
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	0° and 180°	

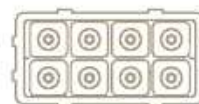
Key Features



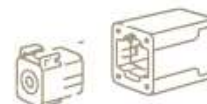
Modular Structure



IP55 Protection



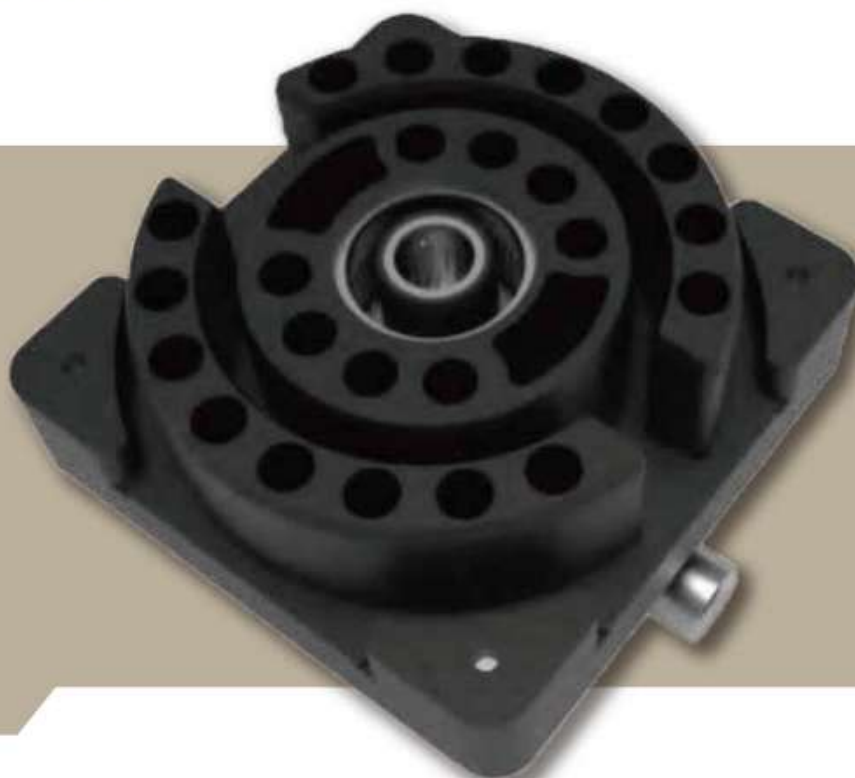
Rectangular Array Layout



Replaceable Components

P3 P Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	N/A
Rated voltage	100V DC	
Rated current	100A	N/A
Applicable wire	6AWG	N/A
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	N/A
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	Single direction	

Key Features



Coaxial Power Design



IP67 Protection



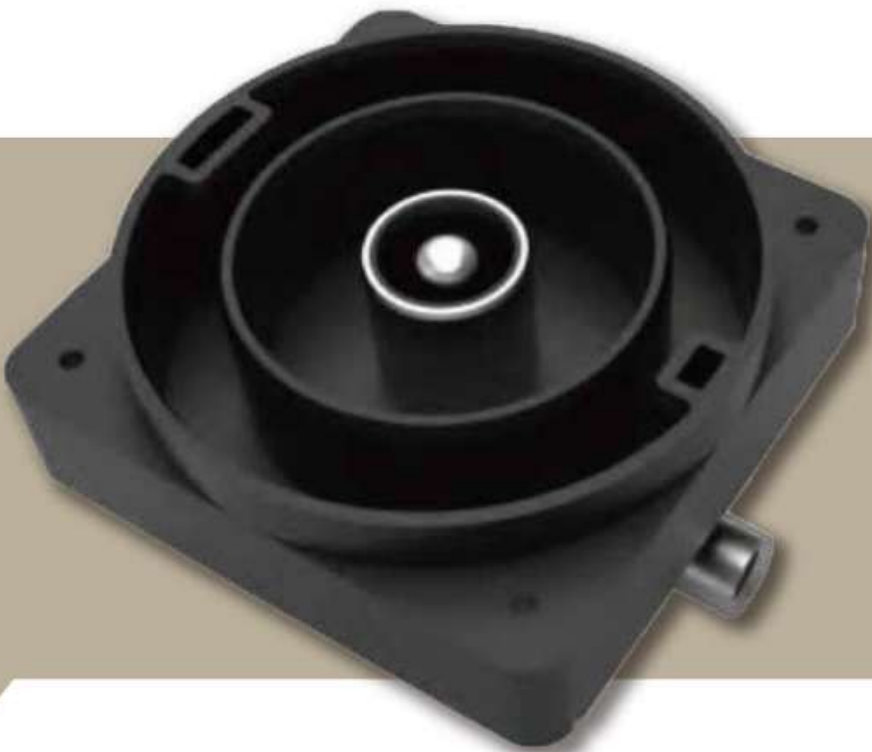
Floating Contact Structure



10,000 Mating Cycles

P3 R Series

E-MOBILITY CONNECTOR



Product Parameters

Item	Power	Signal
Number of contacts	2	N/A
Rated voltage	100V DC	
Rated current	100A	N/A
Applicable wire	6AWG	N/A
Mating Cycles	10000	
IP code	IP67	
Flammability	UL 94 V-0	
Contact resistance	5mΩ max	N/A
Insulation resistance	100MΩ@500VDC	
Dielectric strength	1000V AC	
Operation temperature	-40°C ~ +85°C	
Insertion angle	Single direction	

Key Features



Coaxial Power Design



IP67 Protection



Floating Contact Structure



10,000 Mating Cycles

E-bike (2+4) P Series

Integrated Power & Signal Connector



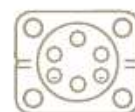
Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated current	20A	
Applicable wire	14AWG	26AWG
Mating Cycles	3,000	
IP code	IPX7 (Mated)	
Flammability	UL94 V-0	
Housing Material	Thermoplastic Plastic	
Terminal Material	Copper Alloy	
Seal Material	Silicone	
Power Terminal Plating	Silver Plated	
Signal Terminal Plating	Gold Plated	
Insertion Force	4 ~ 8 Kg	

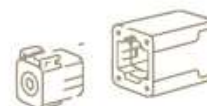
Key Features



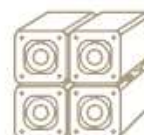
Coaxial Power Design



Integrated Power & Signal



Replaceable Module Design



Modular Structure

E-bike (2+4) R Series

Integrated Power & Signal Connector



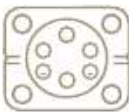
Product Parameters

Item	Power	Signal
Number of contacts	2	4
Rated current	20A	
Applicable wire	14AWG	26AWG
Mating Cycles	3,000	
IP code	IPX7 (Mated)	
Flammability	UL94 V-0	
Housing Material	Thermoplastic Plastic	
Terminal Material	Copper Alloy	
Seal Material	Silicone	
Power Terminal Plating	Silver Plated	
Signal Terminal Plating	Gold Plated	
Insertion Force	4 ~ 8 Kgf	

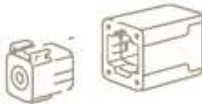
Key Features



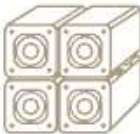
Coaxial Power Design



Integrated Power & Signal



Replaceable Module Design



Modular Structure

E-bike (3+6) P Series

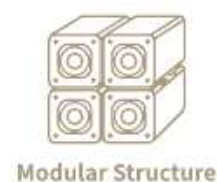
Integrated Power & Signal Connector



Product Parameters

Item	Power	Signal
Number of contacts	3	6
Rated current	30A	
Applicable wire	12AWG	26AWG
Mating Cycles	3,000	
IP code	IPX7 (Mated)	
Flammability	UL94 V-0	
Housing Material	Thermoplastic Plastic	
Terminal Material	Copper Alloy	
Seal Material	Silicone	
Power Terminal Plating	Silver Plated	
Signal Terminal Plating	Gold Plated	
Insertion Force	4 ~ 8 KgF	

Key Features



E-bike (3+6) R Series

Integrated Power & Signal Connector



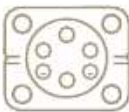
Product Parameters

Item	Power	Signal
Number of contacts	3	6
Rated current	30A	
Applicable wire	12AWG	26AWG
Mating Cycles	3,000	
IP code	IPX7 (Mated)	
Flammability	UL94 V-0	
Housing Material	Thermoplastic Plastic	
Terminal Material	Copper Alloy	
Seal Material	Silicone	
Power Terminal Plating	Silver Plated	
Signal Terminal Plating	Gold Plated	
Insertion Force	4 ~ 8 Kgf	

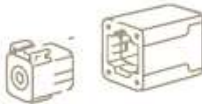
Key Features



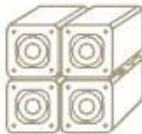
Coaxial Power Design



Integrated Power & Signal



Replaceable Module Design



Modular Structure

TERMINAL SOLUTIONS

Custom Crown Spring Terminal Solutions

400A | 800A | Custom Design Capability



CUSTOM POWER TERMINAL SOLUTIONS

Customizable Power Terminal Solutions for Diverse Connection Requirements

Designed to meet diverse power connection requirements, our crown spring terminal solutions provide flexible sizing, reliable contact performance, and customizable configurations.

Key Features

- Customizable Dimensions
- Crown Spring Contact Structure
- Stable Contact Performance
- Thermal Stability



Product Parameters

Item	400A Series	800A Series
Rated Current	400A	800A
Interface Size	12 mm	16 mm
Contact Structure	Crown Spring	Crown Spring
Custom Configuration	Available	Available

Application Field

EV / HEV



Energy Storage



Power Distribution



Industrial



TEST PROBE SOLUTIONS

Precision Contact Solutions for Testing Applications

UP TO 800A | HIGH CURRENT TESTING CAPABILITY



HIGH CURRENT TEST PROBE SOLUTIONS

Reliable Contact Solutions for Demanding Testing Applications

Designed for demanding testing environments, our high-current test probe solutions provide stable electrical contact, reliable performance, and customizable configurations for diverse testing applications.

Key Features

High Current Capability

Supports high-current test applications up to 800A.

Low Contact Resistance

Maintains stable electrical performance with contact resistance below 5mΩ.

Low Temperature Rise

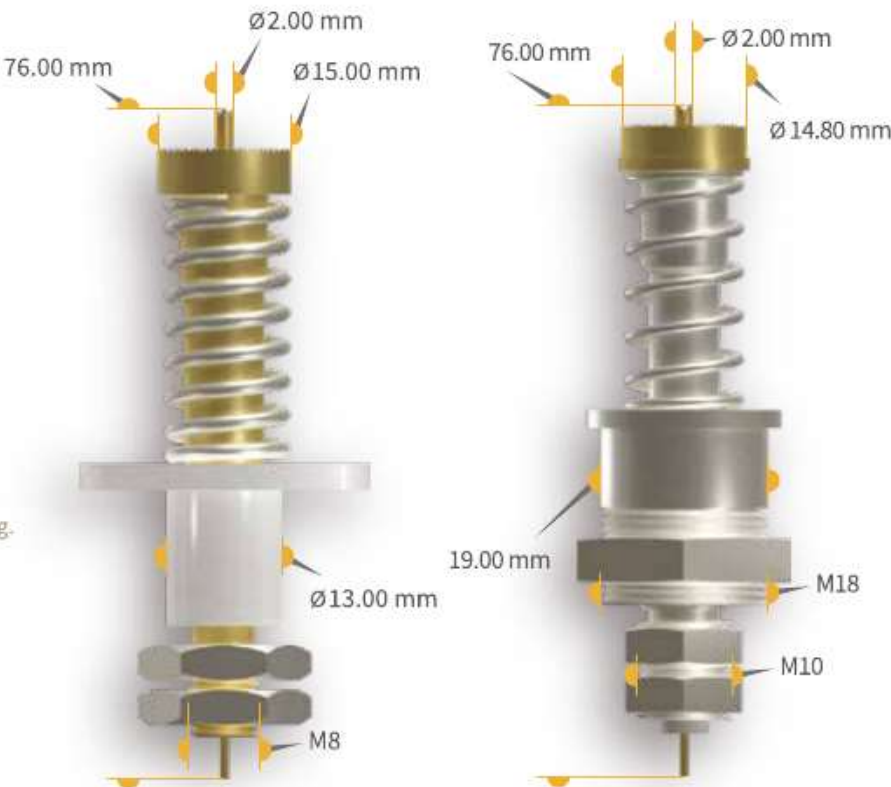
Optimized thermal performance during high-current testing.

Reliable Spring Force

Provides consistent contact force for stable and repeatable testing.

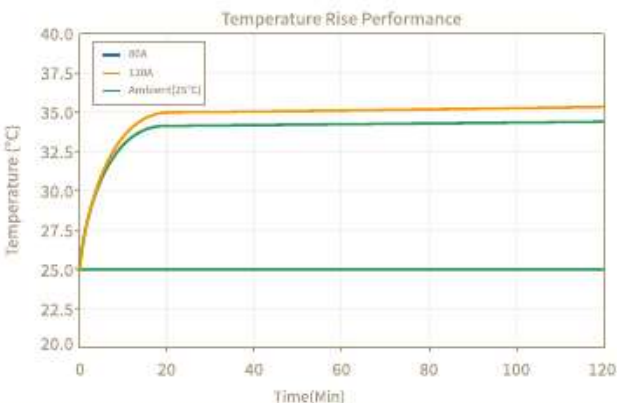
Customizable Design

Flexible configurations available to meet diverse testing requirements.



REPRESENTATIVE TEMPERATURE RISE PERFORMANCE

Optimized thermal performance for reliable high-current testing.



Representative Product Parameters

Item	80A	120A
Contact Resistance	<5mΩ	<5mΩ
Stroke	8 mm	8 mm
Spring Force	3500 g	1000 g
Temperature Rise (ΔT)	<15°C	<15°C

HIGH-CURRENT TEST CAPABILITY
240A | 300A+ | 500A | UP TO 800A

*Test current and duty cycle may vary according to application and equipment requirements.

Application Field

EV Battery Testing



Energy Storage System

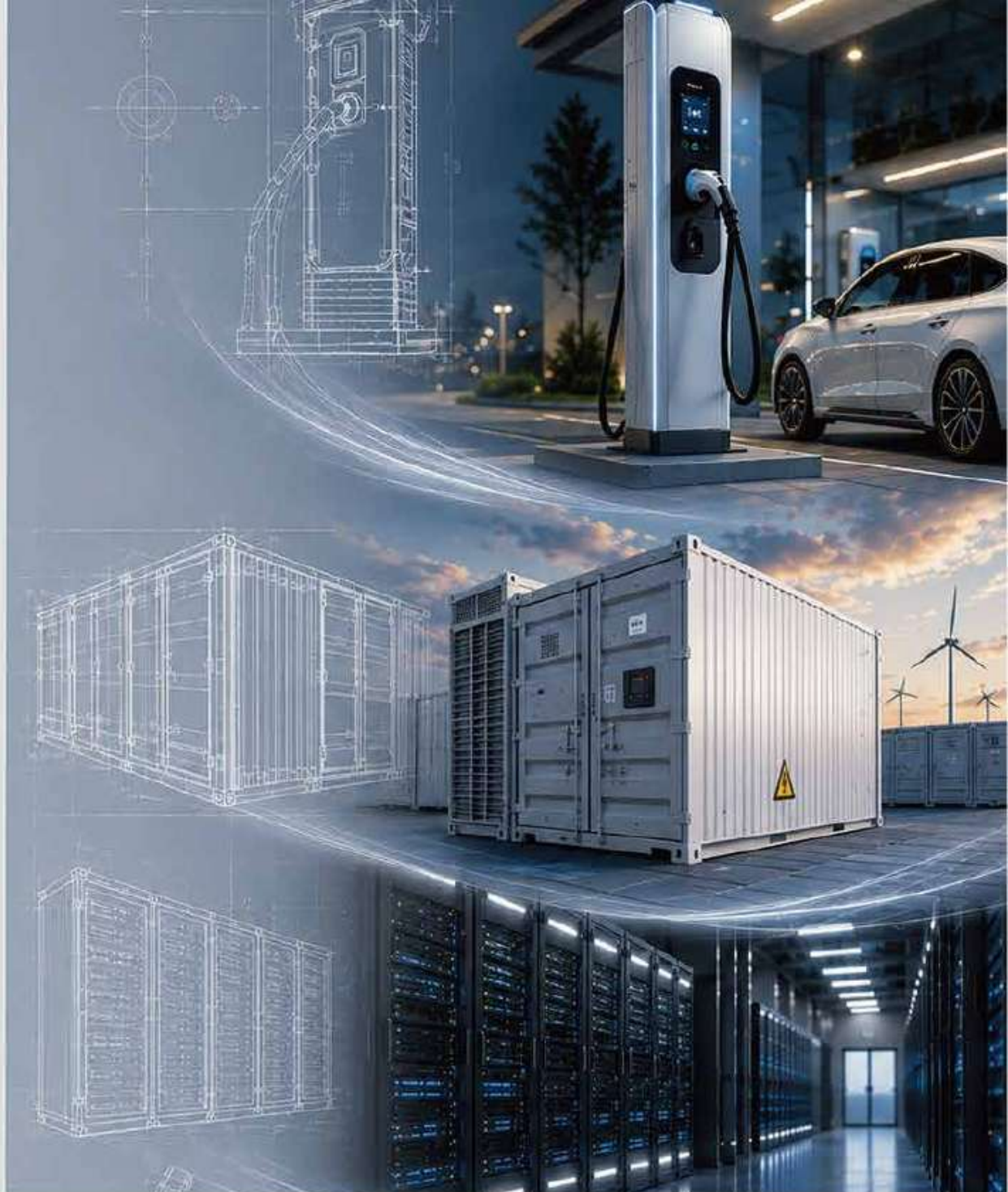


Semiconductor Testing



Industrial Testing





02 APPLICATIONS

Connecting Power Across Emerging Industries

EV & CHARGING | ENERGY STORAGE SYSTEM | AI SERVER & DATA CENTER | SEMICONDUCTOR TESTING





C.C.P. CONTACT PROBES APPLICATIONS OVERVIEW

C.C.P. high-current interconnect solutions support a wide range of emerging industries, from EV charging and energy storage to AI infrastructure and semiconductor testing.

EV & Charging

Electric Vehicle Infrastructure



Reliable interconnect solutions for AC and DC charging systems

Energy Storage System

Battery Energy Storage Applications



Supporting stable power transmission for energy storage infrastructure

AI Server & Data Center

High-Power Computing Infrastructure



Designed for high-density power distribution and connectivity

Semiconductor Testing

Precision Test & Validation Systems



Reliable contact solutions for semiconductor testing equipment



Certified Quality



Verified Performance



Trusted Partnership



03

CAPABILITIES & TRUST

Engineering Excellence | Proven Quality | Trusted Partnership



CERTIFICATIONS & COMPLIANCE

Management Systems and Product Certifications

Management System Certifications

IATF 16949



ISO 14001



ISO 13485



ISO 9001



ISO 45001



QC080000



Product Certifications

Main Certificate



Attachment CL-01



Attachment CL-02



Certified Quality Management Systems

Quality Management

IATF 16949 | ISO 9001
Ensuring consistent product quality and process control across all manufacturing stages.

Environmental Responsibility

ISO 14001 | QC080000
Supporting sustainable manufacturing and hazardous substance management.

Occupational Safety

ISO 45001 | ISO 13485
Maintaining safe working environments and compliance with regulated industries.

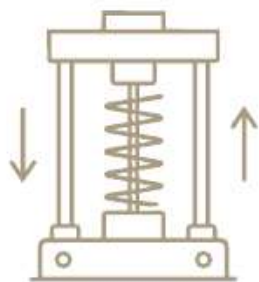
TESTING & VALIDATION

Comprehensive Testing & Validation Capabilities



Electrical Testing

- Contact Resistance Test
- High Current Test (1000A)
- Temperature Monitoring



Mechanical Testing

- Durability Test
- Spring Force Test
- Mechanical Shock Test
- Random Vibration Test



Environmental Testing

- Humidity Test
- Salt Spray Test
- High Temperature Life Test
- Waterproof Test (IPX5-IPX7)



Reliable Performance Through Comprehensive Validation

Comprehensive testing and validation ensure stable, safe, and reliable performance across demanding operating conditions.



C.C.P. CONTACT PROBES

Connecting the Future through Precision.

GLOBAL PRESENCE

Asia Pacific

Fujian HQ | Dongguan | Shenzhen | Shanghai | Beijing | Chengdu | Chongqing | Kunshan
Wuhan | Hong Kong

Taiwan

Taipei HQ | Kaohsiung | Hsinchu

East Asia

Tokyo | Seoul

South Asia

Bangalore

Southeast Asia

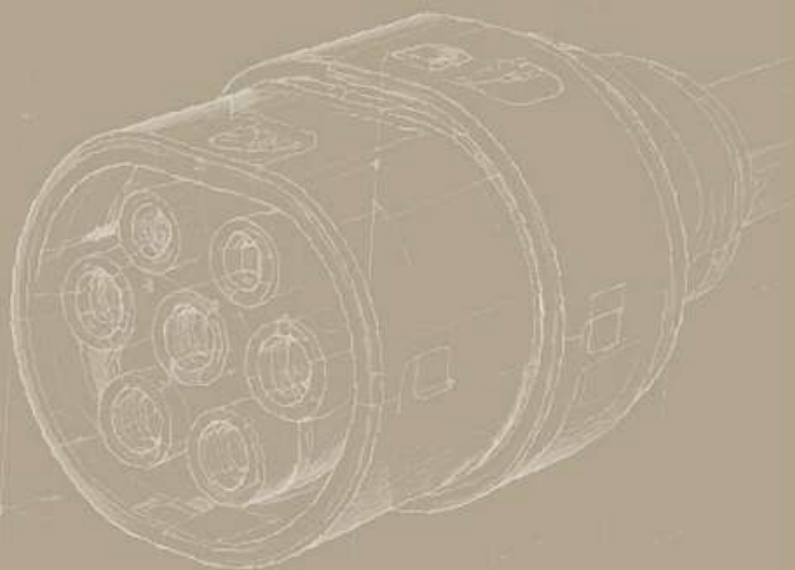
Hanoi | Singapore

Europe

Frankfurt

North America

San Jose



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