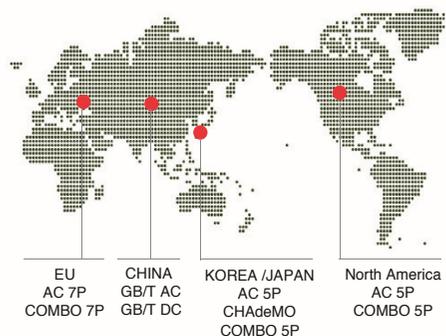


YURA CONNECTORS (Charging Coupler, Control Box etc)

These are harness system devices used in eco-friendly electric cars.
These high-voltage system devices connect a charging unit.



GLOBAL CHARGING COUPLER LINEUP

| | INLET | VEHICLE CONNECTOR | PAGE |
|----------|-------|-------------------|--------|
| AC 5P | | PLUG | 26, 27 |
| AC 7P | | | 28 |
| COMBO 5P | | | 29 |
| COMBO 7P | | - | 30 |
| GB/T AC | | | 31 |
| GB/T DC | | - | 32 |
| CHAdeMO | | - | 33 |

Charging Coupler

AC 5P VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- ▶ Specifications applied: SAE J1772 and IEC62196-1, -2
- ▶ Certified by UL, CB
- ▶ Ergonomically designed grip shape (Vehicle Connector)
- ▶ Improve the external design without screw holes (Vehicle Connector)
- ▶ Conform to Customer specifications



► APPEARANCE

| VEHICLE INLET | VEHICLE CONNECTOR |
|---|---|
| P/No: 210130 | P/No: 220107(16A, UL) 220108(32A) 220112(16A, IEC) |
|  |  |

► TECHNICAL CHARACTERISTICS

| AC 5P | Charging connection | According to SAE J1772 and IEC62196-1, -2 |
|-------|------------------------------|---|
| | Voltage & Current | 250V / 16A, 32A |
| | Design Life Cycle | Over 10,000 Mating |
| | Mating Force | ≤ 100N |
| | Temperature Range | -30°C ~ 50°C |
| | Connections | AC Power Pins 2P (L1, L2) Ground Pin 1P (PE) AC Signal Pins 2P (CP, CS) |
| | Arrangement | Vehicle Inlet : Male (Pin) |
| | Double lock system(Actuator) | Option |
| | Temperature Sensor | Option |



<VEHICLE INLET>

AC 5P SOCKET OUTLET & PLUG

► SPECIAL FEATURES

- ▶ Specifications applied : KS C IEC62196-1, -2
- ▶ Certified by CB
- ▶ Ergonomically designed grip shape (Plug)
- ▶ Improve the external design without screw holes (Plug)
- ▶ Conform to Customer specifications

► APPEARANCE

| SOCKET OULET | PLUG |
|--------------|---|
| | P/No: 220109 |
| |  |

► TECHNICAL CHARACTERISTICS

| AC 5P | Charging connection | According to KS C IEC62196-1, -2 |
|-------|------------------------------|--|
| | Voltage & Current | 250V / 32A |
| | Design Life Cycle | Over 10,000 Mating |
| | Mating Force | ≤ 100N |
| | Temperature Range | -30°C ~ 50°C |
| | Connections | AC Power Pins 2P (L1, L2) Ground Pin 1P (PE) AC Signal Pin 1P (CP) |
| | Arrangement | Socket Outlet : Male (Pin) |
| | Double lock system(Actuator) | - |
| | Temperature Sensor | - |



<PLUG>

AC 7P VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- ▶ Specifications applied : IEC62196-1, -2
- ▶ Certified by CE, CB
- ▶ Ergonomically designed grip shape (Vehicle Connector)
- ▶ Improve the external design without screw holes (Vehicle Connector)
- ▶ Conform to Customer specifications



► APPEARANCE

| VEHICLE INLET | VEHICLE CONNECTOR |
|------------------|-------------------|
| P/No: 210096 | P/No: 220110 |

► TECHNICAL CHARACTERISTICS

| | | | |
|-------|------------------------------|--|--|
| AC 7P | Charging connection | According to IEC62196-1, -2 | |
| | Voltage & Current | 250V / 16A | |
| | Design Life Cycle | Over 10,000 Mating | |
| | Mating Force | ≤ 100N | |
| | Temperature Range | -30°C ~ 50°C | |
| | Connections | AC Power Pins 2P (L1, N) Ground Pin 1P (PE) AC Signal Pins 2P (CP, PP) | |
| | Arrangement | Vehicle Inlet : Male (Pin) | |
| | Double lock system(Actuator) | Application | |
| | Temperature Sensor | Option | |
| | | | |

COMBO 5P VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- ▶ Specifications applied : SAE J1772 and IEC62196-1, -3
- ▶ Certified by UL, CB
- ▶ Ergonomically designed grip shape (Vehicle Connector)
- ▶ Conform to Customer specifications



► APPEARANCE

| VEHICLE INLET | | VEHICLE CONNECTOR |
|------------------|------------------|-------------------|
| P/No: 210132 | P/No: 210206 | P/No: 220076 |
| P/No: 210217 | P/No: 210226 | |

► TECHNICAL CHARACTERISTICS

| | | | |
|----------|------------------------------|--|--|
| COMBO 5P | Charging connection | According to SAE J1772 and IEC62196-1, -3 | |
| | Voltage & Current | 600V / 200A | |
| | Design Life Cycle | Over 10,000 Mating | |
| | Mating Force | ≤ 100N | |
| | Temperature Range | -30°C ~ 50°C | |
| | Connections | AC Power Pins 2P (L1, L2) DC Power Pins 2P (DC+, DC-) Ground Pin 1P (PE) AC Signal Pins 2P (CP, CS) | |
| | Arrangement | Vehicle Inlet : Male (Pin) | |
| | Double lock system(Actuator) | Application | |
| | Temperature Sensor | Option | |
| | | | |

COMBO 7P VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- Specifications applied : IEC62196-1, -3
- Certified by CE, CB
- Conform to Customer specifications

► APPEARANCE



► TECHNICAL CHARACTERISTICS

| | | | |
|---------------------|------------------------------|---|------------------------------|
| COMBO 7P | Charging connection | According to IEC62196-1, -3 | <p><VEHICLE INLET></p> |
| | Voltage & Current | 600V / 200A | |
| | Design Life Cycle | Over 10,000 Mating | |
| | Mating Force | ≤100N | |
| | Temperature Range | -30°C ~ 50°C | |
| | Connections | AC Power Pins 2P (L1, N) DC Power Pins 2P (DC+, DC-) Ground Pin 1P (PE) AC Signal Pins 2P (CP, PP) | |
| | Arrangement | Vehicle Inlet : Male (Pin) | |
| | Double lock system(Actuator) | Application | |
| | Temperature Sensor | Option | |

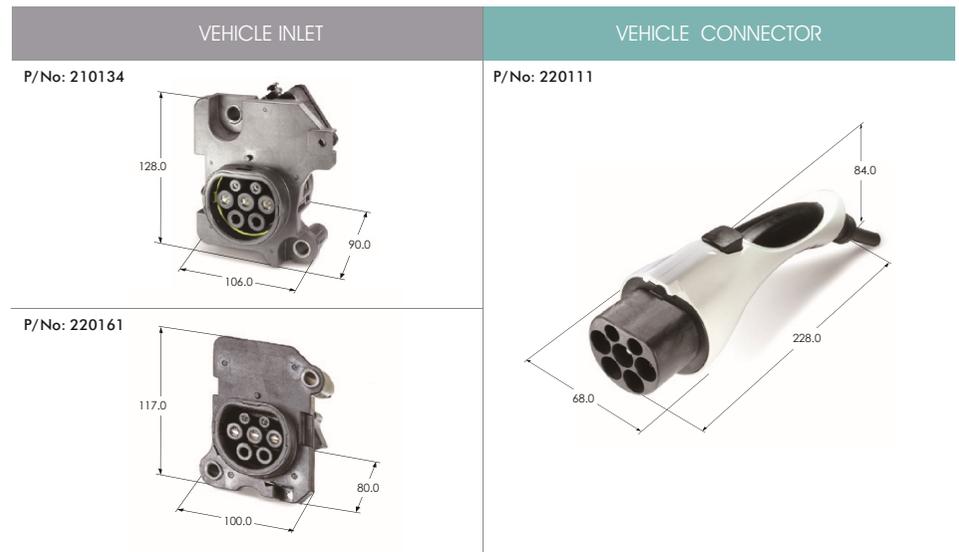
GB/T AC VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- Specifications applied : GB/T 20234-1, -2
- Certified by CQC
- Ergonomically designed grip shape (Vehicle Connector)
- Improve the external design without screw holes (Vehicle Connector)
- Conform to Customer specifications



► APPEARANCE



► TECHNICAL CHARACTERISTICS

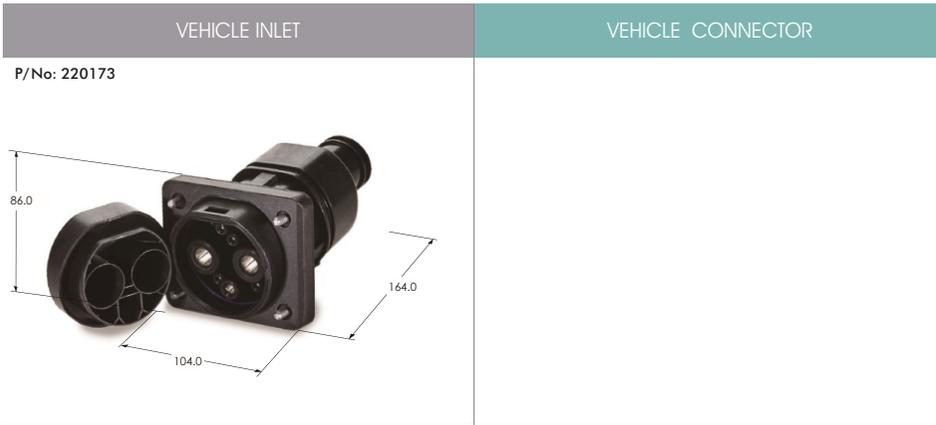
| | | | |
|----------------|------------------------------|--|----------------------------------|
| GB/T AC | Charging connection | According to GB/T 20234-1, -2 | <p><VEHICLE CONNECTOR></p> |
| | Voltage & Current | 250V / 16A | |
| | Design Life Cycle | Over 10,000 Mating | |
| | Mating Force | ≤100N | |
| | Temperature Range | -30°C ~ 50°C | |
| | Connections | AC Power Pins 2P (L1, N) Ground Pin 1P (PE) AC Signal Pins 2P (CP, PP) | |
| | Arrangement | Vehicle Inlet : Female (Pin) | |
| | Double lock system(Actuator) | Application | |
| | Temperature Sensor | Option | |

GB/T DC VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- Specifications applied : GB/T 20234-1, -3
- Certified by CQC
- Conform to Customer specifications

► APPEARANCE



► TECHNICAL CHARACTERISTICS

| GB/T DC | Charging connection | According to GB/T 20234-1, -3 |
|---------|------------------------------|--|
| | Voltage & Current | 750V / 125A |
| | Design Life Cycle | Over 10,000 Mating |
| | Mating Force | ≤ 100N |
| | Temperature Range | -30°C ~ 50°C |
| | Connections | DC Power Pins 2P (DC+, DC-) Ground Pin 1P (PE) Signal Pins 2P (S+, S-) Signal Pins 2P (CC1, CC2) Signal Pins 2P (A+, A-) |
| | Arrangement | Vehicle Inlet : Female (Pin) |
| | Double lock system(Actuator) | - |
| | Temperature Sensor | Option |

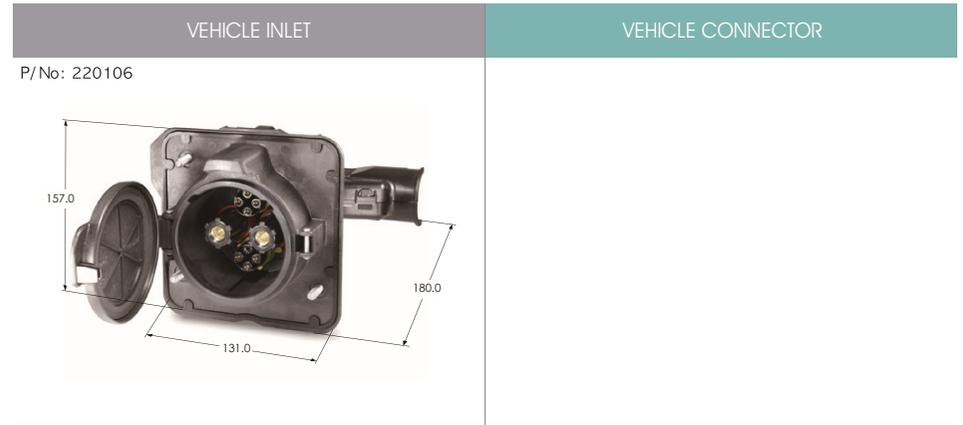
<VEHICLE INLET>

CHAdEMO CHARGE VEHICLE INLET & CONNECTOR

► SPECIAL FEATURES

- Specifications applied : IEC62196-1, -3
- Conform to Customer specifications

► APPEARANCE



► TECHNICAL CHARACTERISTICS

| CHAdEMO | Charging connection | According to IEC62196-1, -3 |
|---------|------------------------------|--|
| | Voltage & Current | 600V / 200A |
| | Design Life Cycle | Over 10,000 Mating |
| | Mating Force | ≤ 100N |
| | Temperature Range | -30°C ~ 50°C |
| | Connections | DC Power Pins 2P (DC+, DC-) Ground Pin 1P (PE) AC Signal Pin 1P (CS) AC Signal Pins 3P (CP, CP2, CP3) AC Signal Pins 2P (COM1, COM2) |
| | Arrangement | Vehicle Inlet : Female (Pin) |
| | Double lock system(Actuator) | - |
| | Temperature Sensor | Option |

<VEHICLE CONNECTOR>

IN-CABLE CONTROL BOX

► SPECIAL FEATURES

- ▶ Controller to perform the stable slow charge to the EV/PHEV

► SPECIFICATIONS

| | |
|-----------------------|----------------|
| Operating Voltage | AC 90V ~ 285V |
| Rated Current | 12A (MAX. 16A) |
| Operating Temperature | -30°C ~ 50°C |
| IP Rating | IP55 |

► DESCRIPTION

| PICTURE | DESCRIPTION |
|--|---|
|  | <ul style="list-style-type: none"> • Adjust charging current (8A, 10A, 12A) • Charging & Failure status monitoring by LED display module <ul style="list-style-type: none"> - Plug / Vehicle connection, Charging, Error, etc. • Temperature sensing of Power plug & ICCB • System protection function <ul style="list-style-type: none"> - Over temperature, Over current, Leakage current, Ground monitoring • UL & CE & KC certified <p>*IP : Ingress Protection rating</p> |

PLC CONTROLLER

► SPECIAL FEATURES

- ▶ PLC controller to control the DC quick charge sequence of the combo type electric vehicle
 - Transmission and reception control of information about authentication, charge voltage, current amount, charge state, etc. required for quick charging between vehicle and power station

► SPECIFICATIONS

| | |
|-----------------------|----------------------|
| Operating Voltage | DC 9V ~ 16V |
| Operating Temperature | -40°C ~ 85°C |
| IP Rating | IP69 |
| Dimensions | 130mm x 125mm x 50mm |

► DESCRIPTION

| PICTURE | DESCRIPTION |
|--|--|
|  | <ul style="list-style-type: none"> • PLC communication controller in combo-type EV for quick charging • Control the power charge sequence and convert PLC communication for combo type electric vehicle using DC power quick charge • Secure power charge compatibility for global infrastructure (ISO/ICE 15118, DIN 70121) <p>*IP : Ingress Protection rating *PLC : Power Line Communication</p> |