



## SAE EV Charging Socket

### **Mechanical Properties**

Contact Pin: Copper alloy, silver or nickel plating

Sealing gasket: rubber or silicon rubber

Mechanical life: no-load plug>10000times

Impact of external force: be able to afford 1m drop and 2tons vehicle run over pressure

Insertion and extraction force:<100N

### **Electrical Performance**

Rated current: 16A/32A/40A/50A

Rated voltage: 240V

Insulation resistance: >1000MΩ(DC500V)

Pins temperature:<50K

Withstand voltage: 2500V

Contact impedance: 0.5mΩMax

### **Environmental performance**

Temperature: -30℃~+50℃





# AG ELECTRICAL MANUFACTURE FACILITY

## SAE EV Charging Socket Features

- Conform to the provisions and requirements of SAE J1772-2012, It can applicable to all American standard electric vehicle charging guns.
- Use copper alloy, silver plated surface Beautiful appearance,prevention cap can be installed on the left side, the right side or the front of it, plug conveniently.
- XLPO for cable insulation prolonging the aging resistance life-span. TPU sheath improves the bending life and wear resistance of cable. The best material in the market at present.
- Special internal waterproof protection performance, protection grade achieved IP55 (working condition). The shell can effectively insulate water from body and enhance the safety level even in bad weather or special circumstances.
- Reliable material, flame retardant, pressure resistance, abrasion resistance, impact resistance and high oil resistance.

## Application of SAE EV Charging Socket

### Apply to Vehicle

For Tesla model3, for Tesla Model S, for Tesla Model X, for BAIC EU-Series, for BYD Yuan/S2 EV, for BYD e5, for Chevrolet Volt, for Mia, for Mia Electric Van, for Mitsubishi OUTLANDER PHEV, for Nissan NV200 SE Van, for Nissan leaf, for SAIC Baojun E-Series, for SAIC Roewe Ei5 EV, for BMW 530e/Le, for Renault Zoe, for Hyundai Kona EV, for BMW i3, for BYD Tang PHEV, for Chery eQ EV, for Toyota Prius PHEV, for Volkswagen e-Golf, for Geely Emgrand EV, for Great Wall Ora R1 EV

### Application in area

Commercial EV Charging/Workplace EV Charging, Hotels EV Charging, Home/Residential EV Charging, Public EV charging

## SAE EV Charging Socket Parameter

AG ELECTRICAL EV Charging sockets acquires all safety and production certificates in electrical filed, ISO9001, ISO 14001, OHSAS 18001, SAE J1772-2012

|              |                     |
|--------------|---------------------|
| Product Type | EV Charging sockets |
|--------------|---------------------|



## AG ELECTRICAL MANUFACTURE FACILITY

|   |  |
|---|--|
| Rated Current   | 16A/32A/40A/50A  |
| Rated Voltage   | 240V   |
| Phase   | One Phase/Single Phase, Three Phase                                |
| Cable Specification<br>(Wire length and the end of treatment according to the client configuration) | H07BZ5-F3X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>                 |
|   | H07BZ5-F3X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>                   |
|   | H07BZ5-F5X2.5mm <sup>2</sup> +2x0.5mm <sup>2</sup>                 |
|   | H07BZ5-F5X6mm <sup>2</sup> +2x0.5mm <sup>2</sup>                   |
| Warranty  | 12 months  |
| Certificate   | CE   |
| Packaging Details   | Standard export wooden case or carton. Or as customer requirements |
| Delivery Time (days)  | Within 15 days, if quantity >100, to be negotiated                 |