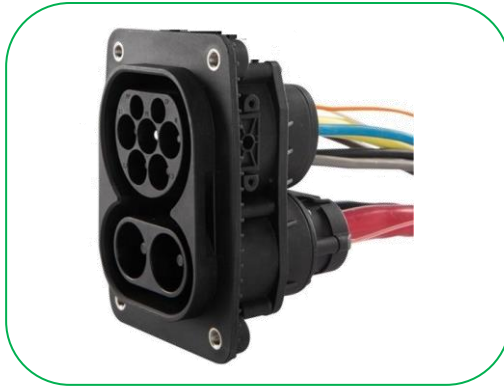


DATA-SHEET



JT Mobility Combined Charging System (CCS) is based on open and universal standards for electric vehicles. The CCS combines single-phase with rapid three-phase charging using alternating current at a maximum of 43 kilowatts (kW), as well as direct-current charging at a maximum of 200 kW and the future perspective of up to 350 kW – all in a single system. The CCS includes the connector and inlet combination as well as all the control functions. It also manages communications between the electric vehicle and the infrastructure. As a result, it provides a solution to all necessary charging requirements. The Combo CCS2 charging inlet socket are available in 200A. It's combined alternating current (AC) Type 2 charging and direct current (DC) CCS fast charge in one inlet. With Secure electromagnetic locking actuator, which can lock the charging plug and inlet during the charging process, to avoid accident drop or damage of connectors.

KEY FEATURES

- IP55 Rated
- Unique Integrated Design
- Self-Cleaning Function on Pins
- Mounted on the side of the vehicle.
- High strength flame retardant nylon
- Pin Material: Copper Alloy Silver Plating
- Better Conductivity and Higher Energy Transmission
- Excellent protection performance resistance to vibration, moisture, dust, and salt spray.
- The socket is equipped with resistance sensors that automatically switch off when the temperature rises above a safe limit.
- Insulator in flammability UL94 V-0 (It is equipped with a UL94 V-0 approved fire isolator that stops the spread of fire within 10 seconds)
- Conforming to IEC 62196-2 and IEC 62196-3 standards.
- Safe against overheating with PT1000 temperature monitoring at every DC power conduct pins.
- Protected and sealed against dust and water with a IP55 protection.
- Integrated with the AC slow charging and DC fast CCS charging, one charging inlet for all EU standard vehicle.
- Certified cable, through ozone resistance test, aging test, with good flame retardant oil resistance, low temperature resistance performance.



# 60A 80A 125A 200A CCS 2 IEC 62196-3 INLET SOCKET MALE

SPECIFICATIONS			
Part Code	JTEVS200AC2MCB	JTEVS200AC2MC	- JTEVS200AC2M
Rated Current	200A	60A - 200A	60A - 200A
Rated voltage (V DC)	1000V DC	1000V DC	1000V DC
Rated Current	32A	32A	32A
Operation Voltage	400V MAX	400V MAX	400V MAX
Insulation resistance	2000MΩ (DC1000V) for CCS Type 2 charging connector	2000MΩ (DC1000V) for CCS Type 2 charging connector	2000MΩ (DC1000V) for CCS Type 2 charging connector
Temperature Resistance	< 50K	< 50K	< 50K
Withstand Voltage	3000V	3000V	3000V
Contact Resistance	0.5m ohm Max	0.5m ohm Max	0.5m ohm Max
Mechanical Parameter	Tested no-load plug in / plug out > 10000 times life cycle	Tested no-load plug in / plug out > 10000 times life cycle	Tested no-load plug in / plug out > 10000 times life cycle
Operate force	Less than 100N	Less than 100N	Less than 100N
Outer Shell	Thermoplastic material, fire rating UL94-0	Thermoplastic material, fire rating UL94-0	Thermoplastic material, fire rating UL94-0
Conductive terminal	Cooper alloy pins , sliver plated on surface	Cooper alloy pins , sliver plated on surface	Cooper alloy pins , sliver plated on surface
Operating Temperature	-30C to +65C	-30C to +65C	-30C to +65C
IP protection class	IP 55 (Working condition) protection level, suitable to use in any hard environment condition.	IP 55 (Working condition) protection level, suitable to use in any hard environment condition.	IP 55 (Working condition) protection level, suitable to use in any hard environment condition.
Cable Length	0.5 Meter	0.5 Meter	NA
Standard	IEC 62196-3	IEC 62196-3	IEC 62196-3
60A / 1000V DC Cable	2*16 mm <sup>2</sup> + 1*16 mm <sup>2</sup> + 6*0.75 mm <sup>2</sup> + 32A: 5*6mm <sup>2</sup>		
80A / 1000V DC Cable	2*16 mm <sup>2</sup> + 1*16 mm <sup>2</sup> + 6*0.75 mm <sup>2</sup> + 32A: 5*6mm <sup>2</sup>		
125A / 1000V DC Cable	2*35 mm <sup>2</sup> + 1*25 mm <sup>2</sup> + 6*0.75 mm <sup>2</sup> + 32A: 5*6mm <sup>2</sup>		
150A / 1000V DC Cable	2*50 mm <sup>2</sup> + 1*25 mm <sup>2</sup> + 6*0.75 mm <sup>2</sup> + 32A: 5*6mm <sup>2</sup>		
200A / 1000V DC Cable	2*70 mm <sup>2</sup> + 1*25 mm <sup>2</sup> + 6*0.75 mm <sup>2</sup> + 32A: 5*6mm <sup>2</sup>		
Locking Actuator	Yes	NO	NO
Plug Locking (During Charge)	Electronic	Mechanical	Mechanical

# 60A 80A 125A 200A CCS 2 IEC 62196-3 INLET SOCKET MALE

