

# Programmable Power Controller(PPC)

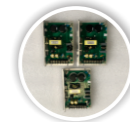
Our Programmable Power Controller(PPC) is a highly integrated power module that contains multiple functional components. You can quickly build a DC charging station by assembling "Case+Charging Module+PPC+Connector". This technology revolutionized the way of manufacturing charging stations, and it significantly simplifies the assembly of charging station. By choosing our PPC, production efficiency is not the only thing you are improving.



Voltage detection & Insulation sensor



Fuse



BMS auxiliary power supply & control power supply



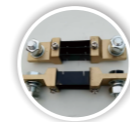
Main PCBA



DC contactor



DC bus-bar



Shunt

## FEATURES

- Charging System: IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 6100
- Communication Standard: ISO 15118, DIN 70121
- Applicable power range: 60-200kW
- Input work voltage range: 230 VAC +/- 10% (50 Hz or 60 Hz)
- DC input voltage range: 12-1000V
- DC output voltage range: 12-1000V
- DC input maximum current: 300A
- DC output maximum current: 300A
- Number of outlet: 2
- Communication to the backend: OCPP 1.6 JSON
- Overvoltage category: Type II
- Standby power: 5W
- Energy metering: Optional, MID metering for DC outlets

- Communication Protocol: OCPP 1.6J
- Storage Temperature: -40°C to 75°C
- Work temperature: -20°C to 55°C, derating output in 55°C
- Work humidity: Up to 95% non-condensing
- Work altitude: ≤2000m
- Cooling Method: Natural cooling
- Protection Ratings: IP00
- Equipment Dimension(WxDxH): 300mm×170mm×430mm
- Equipment Weight: ≤ 12kg

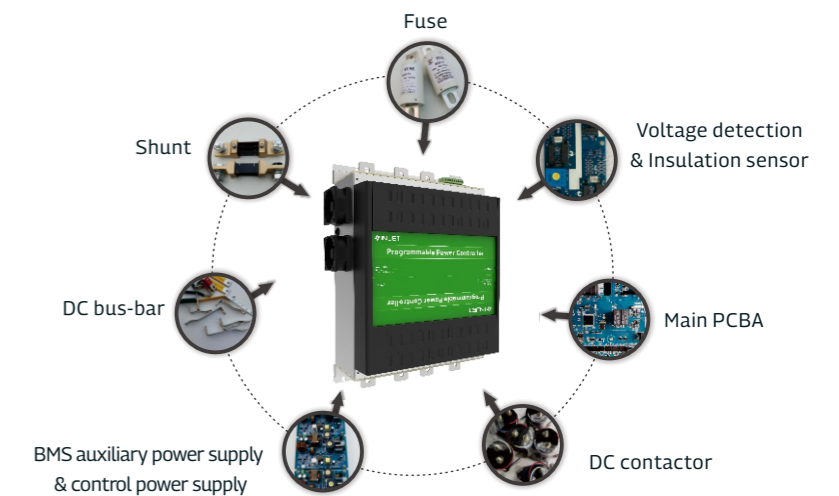
Protection			
Over voltage protection	Yes	Short circuit protection	Yes
Over load protection	Yes	Ground protection	Yes
Over-temp protection	Yes	Surge protection	Yes
Under voltage protection	Yes		

## Components of DC charging station with & without power controller:



### INJET INTEGRATED DC CHARGING STATION

- Programmable Power Controller (exclusive from INJET)
- Integrated Smart HMI
- Charging module
- Cabinet
- Cable & plug



### TRADITIONAL DC CHARGING STATION

- DC watt-hour meter
- Voltage detection transmitter
- Insulation detector
- Charging pile controller
- 24V/12V AC/DC switching power supply(only for Chinese GB/T standard)
- AC/DC power supply module
- MCB, Relay, SPD
- MCCB, AC Contactor
- DC vacuum contactor
- 600 pcs of terminal blocks+ 300 pcs wires

