Ampax

US series

Commercial DC fast charging station

- Self-developed control module
- Expandable design of split cabinet
- Diversified scenario operation
- Perfect choice for commercial use

PRODUCT INTRODUCTION

- Injet Ampax can be equipped with 1 or 2 charging guns, with an output power from 60kW to 240kW, Upgradable 320kW, which can charge most EVs with 80% of the mileage within 30 minutes.
- Injet Ampax is compatible with almost all types of Electric Vehicles currently on the market and complies with CCS1 charging plug. NACS plug compatible will be coming soon.

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PRODUCT HIGHLIGHTS

- Integrated Smart HMI: 10-inch high-contrast LCD touchscreen
- Safe and reliable, with multiple fault protection
- Ethernet RJ-45 interface networking is adopted, and 4G module is optional, compliant with the OCPP 1.6J protocol. Upgraded and adaptable to OCPP 2.0.1 protocol in 2024
- RFID charging control approval, with emergency stop function
- Type 3R/IP54, dustproof, waterproof and anti-corrosion
- Charging module separated from control system, stable and safe performance
- Multiple module output in parallel, flexible configuration and easy maintenance
- Constant power module and smart power allocation, high charging efficiency
- All the control system can be remotely or locally upgraded

Power Specification	
Input voltage rating	480 VAC ±10%, 50/60 Hz
Power wiring	3P+N+PE
Dc voltage output	150 ~ 1000VDC
Charging connector	CCS1+CCS1, CCS1+NACS (Coming soon)
Charging cable length	5 meters/ 7.5 meters optional
DC power output rating	60kW/ 120kW/ 150kW/ 180kW/ 240kW
Constant power range	300 ~ 1000V DC
The maximum output current	250A, Max @300A
PF(Power Factor)	> 0.98(Load ≥ 50%)
THD-I	≤ 5%(Rating voltage input,Load≥50%)
Peak efficiency	≥ 96%
Voltage stabilized accuracy	≤ ±0.5%
Current stabilized accuracy	≤ ±1%
Output voltage error	± 0.5%
Output current error	≤ ±1%(when output current ≥ 30A); ≤ ±0.3A(when output current < 30A)
Ripple factor	≤ ±0.5%(RMS)
Electric energy measurement method	Measuring DC output electric energy
Connector mechanical operating life	≤ 10000 times, without load
User Interface & Control	
Charging control	RFID
Human-machine interface	10-inch high-contrast touch screen
Indicators	High brightness multi-color LED lights
Network interface	Ethernet (RJ-45) / 4G (Optional)
Protocol(EVSE&Backend)	OCPP 1.6J; Security Level 3; upgradable to OCPP 2.0.1 in 2024
Protocol(EVSE&EV)	DIN70121, ISO15118
Environmental	
Storage temperature	-40℃ to 75℃
Work temperature	-30℃ to 50℃, derating output in 55℃
Work humidity	Up to 95% non-condensing
Work altitude	≤ 2000m
Cooling method	Forced air cooling
Protection	
Protection	Over Voltage Protection; Under Voltage Protection ; Over Current Protection ; Over Power Protection ; Over Temperature Protection ; Surge Protection Device ; Short Circuit Protection ; Inter modulation Distortion ; Over Current Protection ; Over Voltage Protection ; Over Temperature Protection
Mechanical	
Protection ratings	Type 3R
Dimension (W×D×H)	1040mm × 580mm × 2200mm
Net weight	384kg(60kW) 416kg(120kW) 432kg(150kW) 448kg(180kW) 480kg(240kW)
Enclosure material	Metal
Color	RAL 7032 (Grey)