Injet Ampax

Commercial DC Ultra - Rapid Charging Station

Introducing the Ampax Enterprise DC charger - a robust solution that combines power, scalability, and cutting-edge technology. Whether you're charging electric vehicles at a commercial facility, fleet depot, or public charging station, the Ampax charger delivers exceptional performance and convenience.

CONFIGURATION FOR HELIOKRAFT

- Enterprise DC charger with 2 CCS charging points (5m cable), with 120 kW based on 4 x 30 kW power modules
- User-friendly 10 Inch-LCD-Touch-Screen.
- Eichrecht-compliant / AFIR compliant including Payter P66 payment terminal
- OCPP-Backend (licence for 2 public DC charging points including credit + debit card payment integration)
- Rust-free materials - enclosure made out of stainless-steel

KEY FEATURES

- **Dual CCS2 Charging Points:** With two CCS2 charging points, the Ampax charger enables simultaneous charging for multiple vehicles.
- **Scalable Power Range:** Starting at 60 kW, the Ampax charger can scale up to an 240 kW. Alternative start wit 80kW and scale up to 320 kW
- **Patented Programmable Power Controller (PPC):** Our unique PPC technology ensures hassle-free installation and high reliability - the Ampax charger is designed for simplicity.
- **Certified Precision:** PTB meter
- **Seamless Connectivity:** Stay connected with Ethernet, 4G, and OCPP 1.6 OCA certification. Monitor charging sessions, track usage, and manage your network effortlessly.
- **Over-the-Air Updates:** Progress never stops. The Ampax charger receives over-the-air updates, ensuring it stays up-to-date with the latest features and improvements.
- **10-Inch Touch Display:** Accessible and intuitive, the 10-inch touch display provides a user-friendly interface. Monitor charging status, adjust settings, and view real-time data with ease.

Specification of Injet Ampax

Power Specification	
Input Voltage Rating	400 VAC ±10%, 50/60 Hz
Power Wiring	3P+N+PE
DC Voltage Output	150~1000V DC
Charging Connector	CCS2+CCS2
Charging Cable Length	5 Meters/7.5 Meters Optional
DC Power Output Rating	60kW/80kW/120kW/160kW/180kW/240kW/320kW
Constant Power Range	300~1000V DC
The Maximum Output Current	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; QR Code (Optional); Credit Card (Optional)
Human-Machine Interface	10-Inch High-Contrast Touch Screen
Indicators	High Brightness Multi-Color LED Lights
Network Interface	Ethernet (RJ-45)/4G/Wifi
Protocol (EVSE & Backend)	OCPP 1.6J; Security Level 3; Upgradable to OCPP 2.0.1 in 2025
Protocol (EVSE & EV)	DIN70121, ISO15118
Environment	
Storage Temperature	-40℃ to 75℃
Work Temperature	-30℃ to 50℃, Derating Output in 55℃
Touch Screen Operating Temperature	-20℃ to 70℃
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
Protection Ratings	IP54
Mechanical	
Dimension (H*W*D, mm)	1040*580*2200
Net Weight	≤500kg
Enclosure Material	Stainless steel
Color	RAL 7032(Grey)

Programmable Power Controller

US Patent Granted, Germany Utility Registered

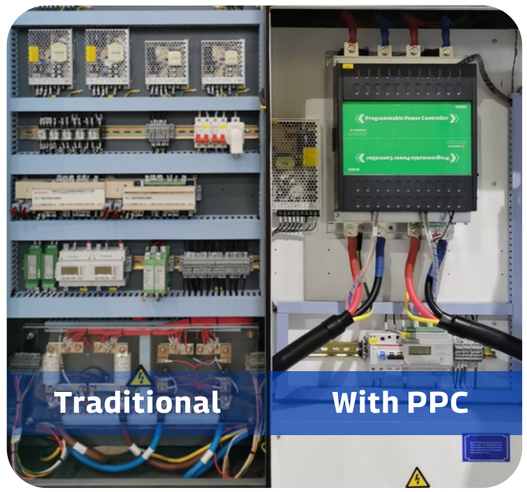
Injet DC Chargers Adopted a Modularised Design Approach

- PPC (Programmable Power Controller)
- Integrated Smart HMI
- Scalable Power Modules
- Cabinet
- Cable & Connector
- Payment Terminal

PPC Makes DC Chargers Simple and Powerful

Traditional DC Chargers Consist of

- 600 PCS of Terminal Blocks + 300 PCS Wires
- DC Watt-Hour Meter
- Voltage Detection Transmitter
- Insulation Detector
- Charging Pile Controller
- 24V/12V AC/DC Switching Power Supply (for GB/T Standard)
- AC/DC Power Supply Module
- MCB, Relay, SPD
- MCCB, AC Contactor
- DC Vacuum Contactor



Maintenance of DC Charging Station

Traditional		
Failure Occurs	Maintenance Personnel to the Scene	1~2 Days
	Determine the Fault Point	1~2 Days
Need accessories	Spare Parts Delivery	2~6 Days
	Repair and Recovery	1~2 Days
Device Back Up and Running		—
2-10 Days in Total		

With PPC		
Failure Occurs	The Background Directly Judges the Fault	2~4 Hours
Equipment Needs to be Replaced	Direct Replacement of Power Controller	2~4 Hours
Device Back Up and Running		—
Less Than 8 Hours		

Service Levels

Service Items	Silver Plan	Gold Plan	Platinum Plan	Diamond Plan
Online Services	✓	✓	✓	✓
Technical Support and Timely Response	✓ Email 48h Standard Response	✓ Email Next Working Day	✓ Call & Email 24h	✓ Call & Email 24h
Priority On-Site Support with Labor, Travel and Parts		✓ Within 7 Business Days	✓ Within 5 Business Days	✓ Within 3 Business Days
Technical Training	✓ Remote	✓ Remote	✓ On-Site	✓ On-Site
Discounted Replacement Parts			✓	✓ Priority Dispatch
Annual Preventive Maintenance Check			✓	✓
Preventive Maintenance with Labor, Travel, and Parts			✓	✓
Semi-Annual System Health Assessment				✓
Exclusive Customer Service Representative				✓
Extended Warranty to 5 Years			✓	✓