



I-FAST products are JOINON's DC fast-charging solutions ideal for charging all types of electric vehicles equipped with high-voltage systems in private or public high-rotation parking lots, highways and service areas. The offer consists of wallboxes up to 30 kW and stations up to 180 kW. They feature an elegant design and finishes that make them an urban and extra-urban furnishing product, with a graphic display for a better User Experience and use of services for the EV Driver user.

Power specification - AC input

Input voltage	3Φ 380 ± 415 Vac
AC input connection	3P+N+PE (Wye configuration), TN/TT
Max input current	3Φ 173A
Frequency	50 Hz / 60 Hz
Power factor	> 0.99
Efficiency	>94%

- Environmental

Operating temperature	-30°C ÷ +50°C
Humidity	5% ÷ 95% RH, Non-Condensing
Altitude	≤ 2.000 m
IP degree	IP55
Mechanical resistance	IK10 (not including screen & RFID module)
Cooling method	Fan cooling

Power specification - DC output

Output voltage range	CCS2: 150 ÷ 950 Vdc
Max output current	CCS2: 250A (picco 300A)
Maximum output power	90 kW
Voltage/Current accuracy	±2%

- Mechanical

Dimension	800 mm x 650 mm x 1.900 mm
Weight	390 kg
Cable length	4.5 m

User interface & control

Display	7" LCD
Push buttons	Operation Buttons / Emergency Stop Button
User Authentication	RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP 1.6 JSON, QR Code, App

- Protection

Input protection	OVP, OCP, OPP, OTP, UVP, RCD, SPD
Output protection	SCP, OCP, OVP, LVP, OTP, IMD

Meter	Integrated DC Meter
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- Regulation

Accessability	PAS1899:2022, subclause 5.2, Table 2, "Height range requirements" (refer to manual for more details)
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Communication

External	Ethernet, Wi-Fi and 4G
Internal	CAN bus / RS485

- Safety

Certificate	IEC 61851-1, IEC 61851-23, IEC 61851-21-2
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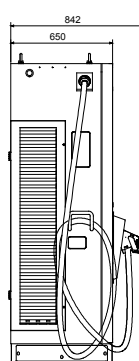
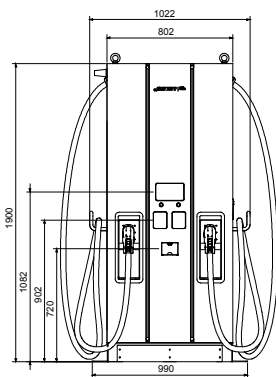
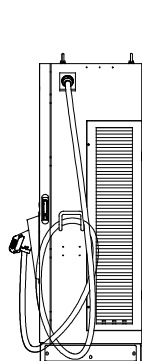
Contactless Solution

Payment terminal	Yes, Payter P66
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- Charging interface

National directives	UK Public CP Regulation 2023 (manufacturer requirements)
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DIMENSIONAL



TECHNICAL SYMBOLOGY

IP

IP55

IK

IK10 (not including screen & RFID module)

STANDARDS/APPROVALS

