



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 480 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		Environmental	
Input voltage	3Φ 380 ± 415 V ac	Operating temperature	-30°C ± +50°C
AC input connection	3P+N+PE (Wye configuration), TN/TT	Humidity	5% ÷ 95% RH, Non-Condensing
Max input current	3Φ 880A	Altitude	≤ 2.000 m
Frequency	50 Hz / 60 Hz	IP degree	IP54
Power factor	> 0.99	Mechanical resistance	IK10 (not including screen, POS & RFID module)
Efficiency	>95%	Cooling method	Fan cooling
Power specification - DC output		Mechanical	
Output voltage range	CCS2: 150 ÷ 950 V dc	Dimension	800 mm x 1036 mm x 2100 mm
Max output current	CCS2: 300A (peak 500A)	Weight	≤985 kg
Maximum output power	480 kW	Cable length	7 m
Voltage/Current accuracy	±2%	Protection	
User interface & control		Input protection	
Display	7" LCD	OVP, OCP, OPP, OTP, UVP, RCD, SPD	
Push buttons	Operation Buttons / Emergency Stop Button	Output protection	
User Authentication	RFID: support ISO 14443A/B, OCPP 1.6 JSON, OCPP 2.0.1, QR Code, App	SCP, OCP, OVP, LVP, OTP, IMD	
Meter		Regulation	
Meter	Integrated DC Meter	Accessibility	
Communication		Reduced component heights for universal accessibility	
External	Ethernet, Wi-Fi and 4G	Safety	
Internal	CAN bus / RS485	Certificate	
Contactless Solution		IEC 61851-1, IEC 61851-23, IEC 61851-21-2	
Payment terminal	Yes, Payter Apollo Polar	Charging interface	
		DIN 70121, ISO 15118-2	
		National directives	
		UK Public CP Regulation 2023 (manufacturer requirements)	

DIMENSIONAL



TECHNICAL SYMBOLOGY

IP54

IK10 (not including screen, POS & RFID module)

STANDARDS/APPROVALS



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