



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	3 Φ 380 $\pm$ 415 Vac	Operating temperature	-30°C $\pm$ +50 °C
AC input connection	3P+N+PE (Wye configuration), TN/TT	Humidity	5% $\pm$ 95% RH, Non-Condensing
Max input current	3 Φ 289A	Altitude	$\leq$ 2.000 m
Frequency	50 Hz / 60 Hz	IP degree	IP55
Power factor	> 0.99	Mechanical resistance	IK10 (not including screen & RFID module)
Efficiency	>94%	Cooling method	Fan cooling

Power specification - DC output

Output voltage range	CCS2: 150 $\pm$ 950 Vdc	Dimension	800 mm x 650 mm x 1.900 mm
Max output current	CCS2: 200A (peak at 250A)	Weight	$\leq$ 460 kg
Maximum output power	150 kW	Cable length	4.5 m
Voltage/Current accuracy	$\pm$ 2%	Protection	-

User interface & control

Display	7" LCD	Input protection	OVP, OCP, OPP, OTP, UVP, RCD, SPD
Push buttons	Operation Buttons / Emergency Stop Button	Output protection	SCP, OCP, OVP, LVP, OTP, IMD
User Authentication	OCPP 1.6 JSON, QR Code, App	Regulation	-
		Accessibility	PAS1899:2022, subclause 5.2, Table 2, "Height range requirements" (refer to manual for more details)

Meter	AC MID Meter, Integrated DC Meter	Safety	CE, CB
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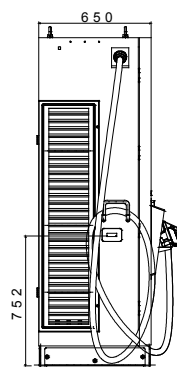
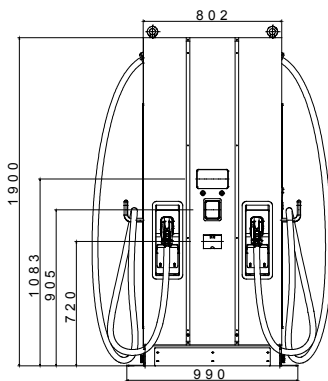
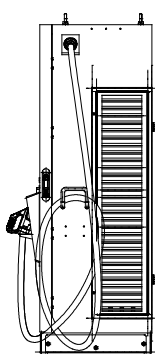
Communication

External	Ethernet, Wi-Fi and 4G	Certificate	IEC 61851-1, IEC 61851-23, IEC 61851-21-2
Internal	CAN bus / RS485	Charging interface	DIN 70121, ISO 15118-2
		National directives	UK Public CP Regulation 2023 (manufacturer requirements)

Contactless Solution

Payment terminal	Yes, Payter P66		-
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DIMENSIONAL



TECHNICAL SYMBOLOGY

IP

IP55

IK

IK10 (not including screen & RFID module)

STANDARDS/APPROVALS



GEWISS S.p.A. Via A. Volta, 1
24069 Cenate Sotto - Bergamo - Italy
tel. +39 035 94 61 11 fax +39 035 94 69 09

www.gewiss.com
sat@gewiss.com
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