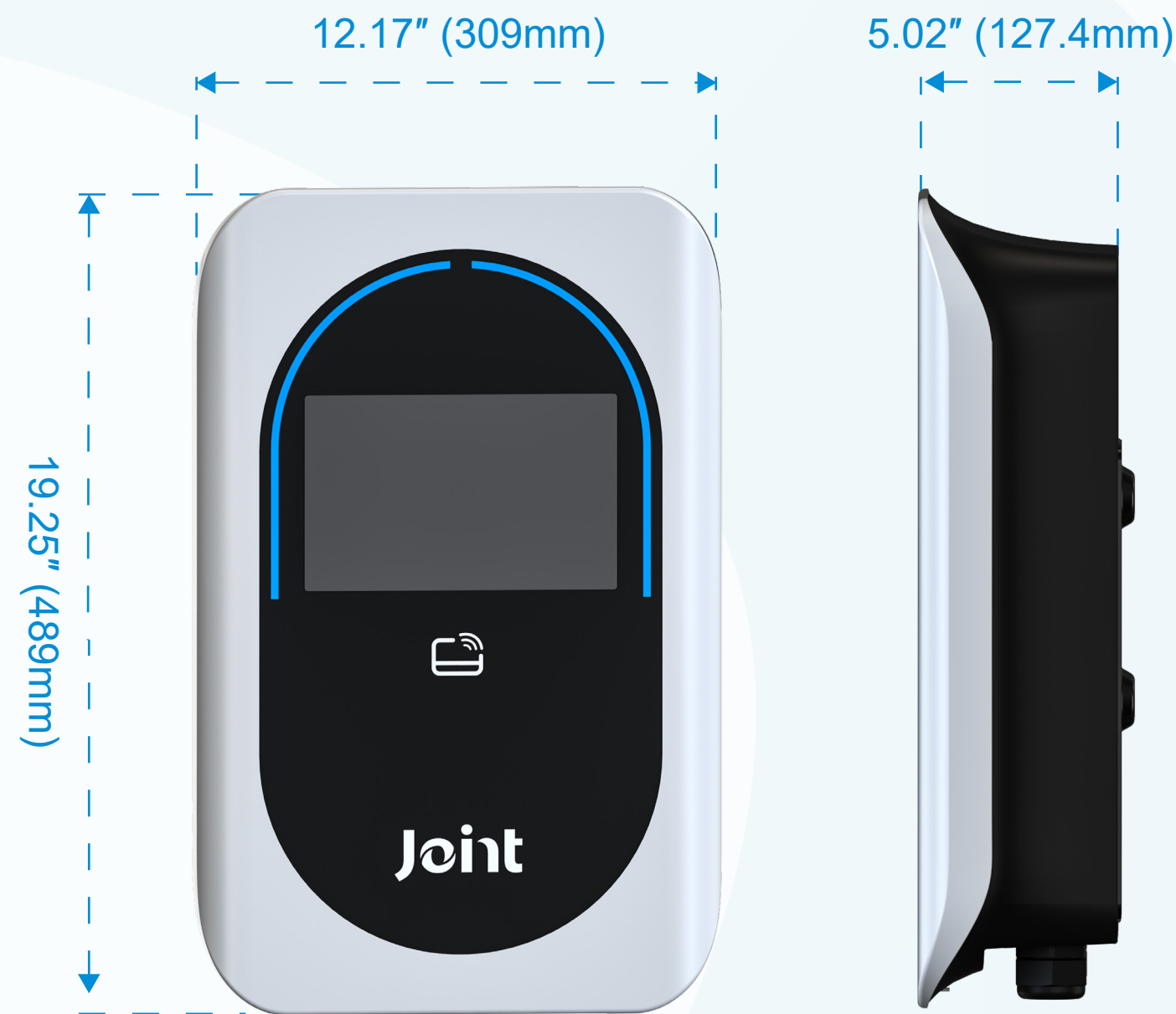# JUNCTION 48A (EVM005)

DUAL-CONNECTORS DESIGN, DOUBLE THE CONVENIENCE

KEY FEATURES AND BENEFITS

POWERFUL DUAL CHARGER (48A * 2）
Delivers efficient charging for multiple vehicles while reducing installation costs, making it an ideal solution for commercial use.

COMPATIBILITY ASSURANCE
Seamlessly supports over 99.5% of popular EVmodels, leveraging AI algorithms for hassle-free charging.

HIGH-PRECISION MEASUREMENT
Features a 7" touchscreen with ±1% accuracy (CTEP compliance), offering a user-friendly interface in English, Spanish, and French.

ADVANCED PLUG & CHARGE TECHNOLOGY
Compliant with ISO 15118-2/3 standards, tested by Hubject and Keysight. Compatible with major automakers including Volvo, BMW, Lucid, Vinfast VF9, and the Ford F-150.

OCPP SELF-ADAPTIVE INTEGRATION
OCTT tested, the charger automatically adapts to OCPP 1.6J and OCPP 2.0.1, integrated with over 50 global CPOs and supports California Pricing Requirements for accurate electricity metering.

COMPREHENSIVE WEB DIAGNOSTICS
Benefit from full remote configuration capabilities, including web-based diagnostics, log analysis, and local card management, ensuring smooth and efficient fleet operations.

DYNAMIC LOAD BALANCING
Adjusts the charger's power output in response to grid load changes, protecting vehicles while ensuring optimal energy usage.

CASHLESS PAYMENT SOLUTIONS (OPTIONAL)
Support the cashless payment module and provide a more convenient user experience.

SPECIFICATIONS

JUNCTION 48A (EVM005)

12.17″ (309mm)

5.02″ (127.4mm)

19.25″ (489mm)

Joint

POWER

Input Rating	208-240Vac
Output Current&Power	2*11.5kW (48A)
Power Wiring	L1 / L2 / GND
Input Cord	Hardwire (Cable not included）
Mains frequency	50 / 60Hz
Connector Type	SAE J1772 Type 1, 18ft / SAE J3400 NACS, 18ft (Optional)
Ground Fault Detection	CCID 20
Protection	UVP, OVP, RCD (CCID 20), SPD, Ground Fault Protection, OCP, OTP, Control Pilot Fault Protection
Meter Accuracy	±1%

USER INTERFACE

Status Indication	LED indication
Screen	7" touch screen (UI upgradable)
Language	English / Spanish / French
User Interface	Compatible with multiple CPOs
Connectivity	Bluetooth 5.2, Wi-Fi 6 (2.4G / 5G), Ethernet, 4G (Optional)
Communication Protocols	OCPP 2.0.1 / OCPP 1.6J self-adaptation
	ISO15118-2/3
Pile Group Management	Dynamic Load Balancing
User Authentication	Plug&Charge (Free) / RFID Card / Credit Card (Optional)
Card Reader	RFID, ISO14443A、ISO14443B, 13.56MHz
Software Update	OTA

CERTIFICATION & STANDARDS

Safety & Compliance	UL991, UL1998, UL2231, UL2594, FCC Part 15B / NEC 625
Certification	ETL / FCC / Energy Star
Warranty	36 months

GENERAL

Enclosure Rating	NEMA 4 (IP65), IK08
Operating Altitude	< 6561ft (2000m)
Operating Temperature	−40°F ~ +131°F (−40°C ~ +55°C)
Storage Temperature	−40°F ~ +185°F (−40°C ~ +85°C)
Operating Humidity	5 ~ 95%
Mounting	Wall mount / Pedestal (optional)
Color	White、Black (Customizable)
Product Dimensions	19.25" × 12.17" × 5.02" (489×309×127.4mm)

CERTIFICATION

HUBJECT

OPEN CHARGE ALLIANCE

ETL LISTED US

FC

ENERGY STAR

3 years limited warranty

35000m²
Factory Size

200⁺
Total Employees

150⁺
Certifications & Patents

3
R & D Centers

Joint
@ Sustainable Energy

🌐 https://jointcharging.com

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SUSTAINABLE ENERGY