CCS2 EV Simulator
Brochure

Introduction

Bacancy CCS2 charger simulator allows manufacturers, developers, and researchers to test their charging equipment and related software in a controlled environment before deploying them to real-world charging stations. It helps ensure compatibility, efficiency, and safety in charging processes. The simulator may replicate charging scenarios, communication protocols, and power levels to mimic real charging station behavior. Using a CCS2 charger simulator aims to identify and rectify any issues, optimize charging performance, and ensure seamless interactions between the charging station and supporting software systems. This can contribute to electric vehicles' overall advancement and adoption by enhancing charging infrastructure and user experience.

Key Features

- Simulation of conductive electric vehicles according to CCS2 (ISO15118 Compliant)

- Fully automatic EV simulation on communication and load circuit

- No computer required for on-site testing

- Safety test of EVSE to check isolation fault recognition

- Intuitive touchscreen interface

- Test Result reports can be downloaded via USB.

BACANCY

Specification of CCS2 DC Simulator

Parameters	Specifications
Input Voltage	230VAC +/- 10%
AC Input Connection	P+N+PE
Frequency	50Hz
Voltage Measurement	Range: 0 to 1000V DC Resolution (Display): +/- 1 V Accuracy (not calibrated): +/- 1 V
Current Measurement	Range: 0 to 100 A Resolution (Display): +/- 100 mA Accuracy (not calibrated): +/- 0,5 A
Connector Type	IEC 62196-3 Industrial Socket
Number of Connectors	CCS2 DC - 1
Display	Resistive Type 7" TFT display
Communication Protocol	ISO 15118
Operating Temperature	0 °C to +70°C
Storage Temperature	0 °C to +70°C
Humidity	5% to 95%
Size	Suitcase: Approx. L= 610mm, B = 440mm, H = 326mm
Water Resistance according to IEC 60529	Closed Lid: IP66; Open Lid: IP43

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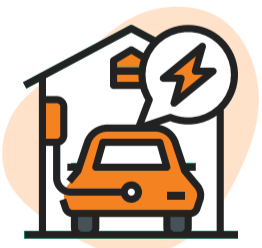
On-site testing EVSE
charging station
installation

Troubleshooting EVSE
critical breakdowns

**Initial and Periodic
testing of private,**
semi-private, and public
EVSE charging stations