European Standard

DC Simulator

User Manual

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Chapter 1 Safety precautions

● This device is limited to the use of debugging green energy charging stations .

●When the simulator is not in use, please cover the simulator to avoid unnecessary contamination and damage.

● Before use , you need to check the simulator device to ensure that the device is intact. Do not use the device if the simulator is damaged .

● Before debugging , check the charging gun insulator, pins and sockets, and make sure they are clean and free of foreign matter.

● Before debugging, check the simulator gun mount, switch, and CAN port, and make sure they are clean and free of foreign matter.

● Before debugging , you need to confirm whether the charging gun is fully plugged in.

● It is strictly forbidden to modify or disassemble the simulator without permission .

● It is strictly forbidden to use screwdrivers, tweezers and other sharp objects to touch the simulator pins and gun mount sockets .

● Do not put your fingers into the simulator plug.

● It is strictly forbidden to immerse the simulator in water.

● It is strictly forbidden to touch the charging station when debugging the charging station .

Danger :

● When the equipment is energized, irregular or incorrect operation may cause fire or electric shock, resulting in personal injury or property loss.

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warn :

● If you find liquid has entered the device, please turn off the power immediately and do not continue to use it.

● It is strictly prohibited to make modifications on the equipment.

● Do not allow children to approach, touch or use the simulator .

●Do not bring dangerous items such as flammable, explosive or combustible materials, chemicals, flammable vapors, etc. near the simulator .

Chapter 2 Product Introduction

2.1.Product Introduction



Picture 1 Appearance rendering

The simulator is a device that simulates a vehicle and is used to debug the green energy European standard charging station and simulate the message interaction between the charging station and the vehicle. It supports functions such as adjustable charging voltage and charging current.

2.2.Operation panel introduction

The internal appearance of the product is shown below.



Picture 2 Internal appearance

Figure 1 Operation panel effect diagram

Number	Description	Remark
1	Pin plug	Simulator 220V power supply
2	CAN port	Debugging inside the simulator
3	switch	Simulator power switch
4	Status indicator	PWR blue light power light RUN green light operation indicator FLT fault indicator
5	CCS2	European Javelin Mount

Chapter 3 Product Usage Steps

3.1.Power-on connection steps

Step 1: Place

the simulator flat near a charging station without potential safety hazards, and ensure that the distance between the charging station gun line and the simulator is appropriate.

Step 2: Connect the power supply

Use the power cord to connect the simulator "1" to power the simulator, as shown below:



Step 3: Push the switch "3" upward to the "ON" position, and the power indicator "PWR" turns blue. As shown below:



Step 4: Connect the gun mount

Connect the gun head to simulator "5", check that the charging station shows that the gun is plugged in, start charging with the charging station, and the "RUN" light will light up normally.



3.2.Software Features

This software supports the following functions:

1. Support BMS parameter setting (CAN1)/acquisition (CAN2), the Chinese and English versions support different parameter types
2. Support Chinese and English switching
3. Support BMS default parameter settings
4. Support one-click selection/clear

3.3.Parameter setting steps

Step 1: Prepare the computer and CAN box to connect to the simulator CAN port, as shown below:

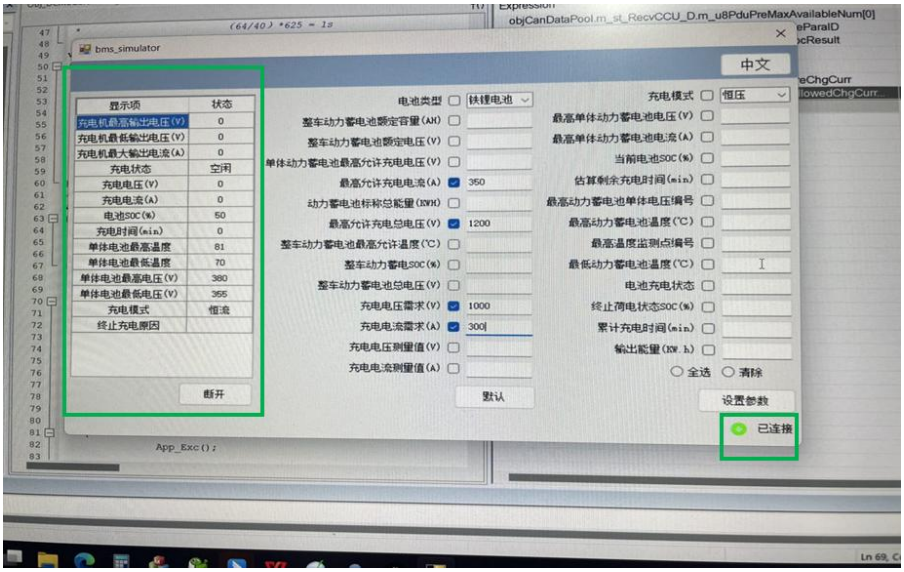


Step 2: Open the program, the following interface will appear, click Connect, as shown in the figure:



Step 3: After the connection is successful, the "Display Item" will display the read data. When not connected, the status indicator in the lower right corner will be red. When the

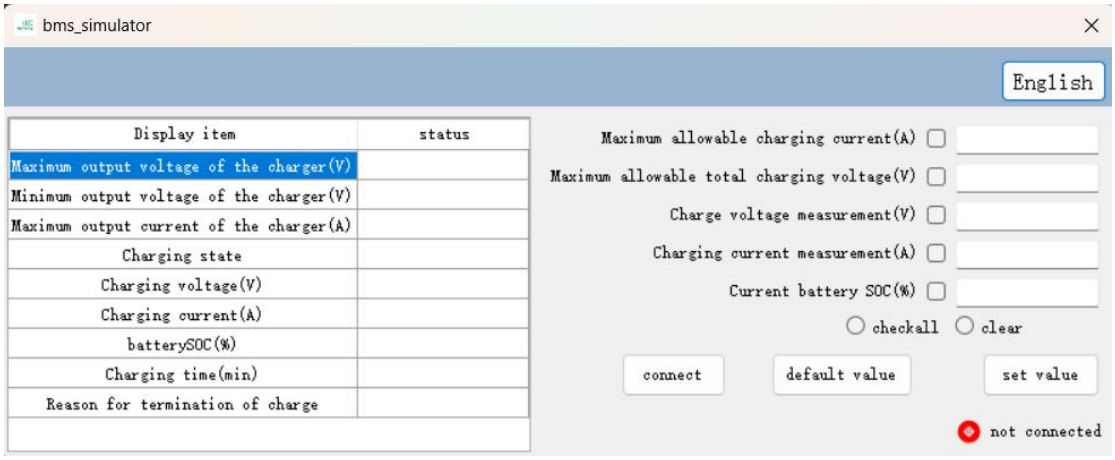
connection is successful, it will turn green. When there is data interaction, the indicator light will flash. As shown below:



Step 4: Language switch. Click the button of "中文"，and the language will turn into English.



Step 5: The basic setting will show on this page. Set the charging voltage, charging current and other requirements to complete the setting.



Chapter 4 Common fault description

1. The fault indicator light is on.

When the charging station fault indicator "FLT" is on, check the communication line between EVCC and the simulation board.

2. If you enter non-numeric characters, a parameter error message will appear. Please check and re-enter.



3. If the connection fails, it will prompt an error in opening the device. You need to check whether the CAN box is connected correctly.



4. If an error occurs during the connection process, the device will be automatically disconnected and a connect device fault message will be displayed. You need to check the line and reconnect.