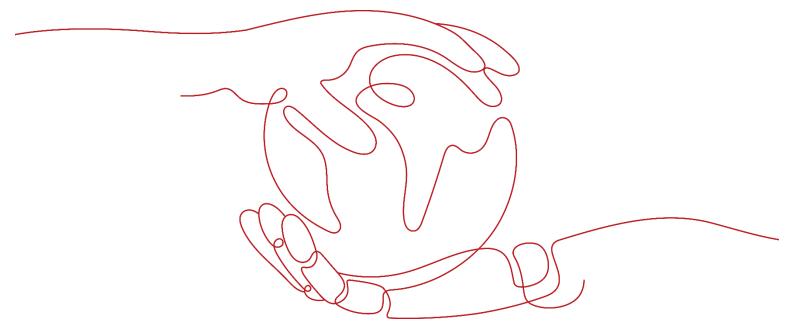# SCharger-7KS-S0　SCharger-22KT-S0 FusionCharge V100R023C10SPC0120

Release Notes

Issue　　01

Date　　2024-7-27

Huawei Digital Power Technologies Co., Ltd.

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Change History

Issue	Date	Description
01	2024-7-27	First official release

Contents

1 Version Requirements

1.1 Product Version

Product Name	Smart Charger
Product Model	SCharger-7KS-S0, SCharger-22KT-S0
Product Version	V100R023C10SPC120

1.2 Related Product Versions

Product	Version	Remarks
EMAP	eMAP V300R023C10SPC310	-
ESCP	ESCP V300R023C10SPC310	-
Huawei Secure C	Huawei Secure C V100R001C01SPC013	-

1.3 Hardware Versions

Board Type	Board Name	Description
semi-finished board	Manufactured Board, ES11CTLBA, Europe AC charging pile 7 kW/22 kW	Boards developed in versions earlier than FusionCharge V100R023C10SPC120 and compatible with FusionCharge V100R023C10SPC120

1.4 Virus Scan Result

This product software and supporting documentation were scanned by the following anti-virus software and no virus was found. The details are as follows.

1. Scan Detail

Engine Name	QiAnXin
Engine Version	8.0.5.5260
Virus Lib Version	2024-08-01 08:00:00.0
Scan Time	2024-08-02 09:46:18
Scan Result	OK
Engine Name	Bitdefender
Engine Version	7.0.3.2038
Virus Lib Version	7.97246
Scan Time	2024-08-02 09:46:16
Scan Result	OK
Engine Name	Kaspersky
Engine Version	11.2.0.4528
Virus Lib Version	2024-08-02 00:56:00
Scan Time	2024-08-02 09:46:08
Scan Result	OK

2. Virus File List

3. Exception File List

4. Task Base Information

Task Name	FusionCharge V100R023C10SPC120B001_software_doc

2 Version Compatibility

2.1 Software Version Compatibility

Target Version	Source Version	Compatibility with Related Product Versions
FusionCharge V100R023C10SPC120	FusionCharge V100R023C10SPCXXX	-

□ NOTE

Software version compatibility means that related devices, NMSs, or upper-layer OSSs support existing functions without upgrading or patch loading after the NE software is upgraded.

- ■ Compatible
- □ Incompatible

2.2 Hardware Version Compatibility

New Hardware	Hardware to Be Replaced	Compatibility with NE Software Versions	Compatibility with Related Product Versions
None	-	-	-

□ NOTE

Hardware version compatibility means that the new hardware that replaces the original hardware supports plug-and-play, and the replacement does not affect existing functions. After the hardware is replaced, the NE software, NMS software, and other related devices do not require upgrading or patch loading.

- ■ Compatible
- □ Incompatible

3 V100R023C10SPC120

3.1 What's New

This version inherits the features of V100R023C10. For details, see the following table:

No.	Feature Name	Remarks
1	Multi-language support	Inherited feature
2	Electricity meter connection	Inherited feature
3	RFID card management	Inherited feature
4	Upgrade management	Inherited feature
5	Temperature detection	Inherited feature
6	Energy consumption metering	Inherited feature
7	Charging control pilot	Inherited feature
8	Charging management	Inherited feature
9	Charging record	Inherited feature
10	Power adjustment	Inherited feature
11	Fault diagnosis	Inherited feature
12	Log management	Inherited feature
13	Binding management	Inherited feature
14	Load balancing	Inherited feature
15	Authentication management	Inherited feature
16	Scheduled charging	Inherited feature
17	Charging control pilot	Inherited feature

No.	Feature Name	Remarks
18	DFX requirement	Inherited feature
19	Safety requirement	Inherited feature
20	Added the display of the maximum charging current for the charging connector cable.	Inherited feature
21	Added the function of setting the maximum charging power based on different time segments.	Inherited feature
22	Added the function of prioritizing the installer's permission when an installer and owner both set the maximum charging power.	Inherited feature
23	Charging for the next trip	Inherited feature
24	Querying the charging records	Inherited feature
25	EMMA access	Inherited feature
26	Restored default settings	Inherited feature
27	Third-party NMS access	The TCP-Modbus configuration is used only for connecting chargers to a third-party NMS or controller.
28	Password-free login after password loss	Inherited feature

New Features

None.

Modifying Feature

None.

Deleted Features

None.

3.2 Resolved Issues

Trouble Ticket Number	DTS2024070223778
Problem Description	PenSSH fixes a remote code execution vulnerability (CVE-2024-6387) in OpenSSH due to a signal handler race in the OpenSSH server (sshd).
Severity Level	Serious

Root Cause Determination	An attacker could exploit this vulnerability to execute arbitrary code as root on a Linux system without authorization. That is, an attacker can execute arbitrary code on the target server without having or knowing the credentials of the ssh server being attacked.
Solution	Open source code modification and patch repair
Amendment Impact	Without

3.3 Known Issues

None.

4 Upgrade Impact

4.1 Impact of the Upgrade on the Current System

4.1.1 Impact on Business

After the software upgrade is complete, the Charger will restarts, which takes about 5 minutes.

4.1.2 Impact on Network Communication

When the NE software is activated, the communication between the NE and the NMS is interrupted for about 10 minutes.

4.2 Impact on the Current System After the Upgrade

4.2.1 Impact of Upgrade on Spare Parts

After a product or version upgrade is performed on a customer's network, if the customer's or Huawei's spare parts are of an earlier version, the system may fail to run properly after the faulty parts are replaced. You are advised to manually upgrade the spare boards locally or return them to Huawei for upgrade to the current version before replacing the faulty boards. Alternatively, you can remotely upgrade to the current version after replacement.

4.2.2 Upgrade Precautions

1. Before the upgrade, check whether any device to be upgraded fails to communicate with each other. If yes, rectify the fault and then start the upgrade.

2. Before upgrading the software, check whether the communication between devices is normal.

3. During the upgrade, if an exception occurs, such as an upgrade failure, do not power off and reset the system. Perform operations according to the troubleshooting guide or contact the local TAC.

5 **Related Documentation**

5.1 V100R023C10SPC120 Documentation

Document	Description	Delivery Mode
Release Notes, Communication Matrix, Security Maintenance Manual	Provide the use, configuration, maintenance guide for SCharger-7KS-S0, SCharger-22KT-S0	Support Website

5.2 Obtaining Documentation

Support Website

You can log in to https://support.huawei.com/enterprise/en/index.html and browse or search for "FusionCharge V100R023C10SPC120" to view or obtain related documents.

📖 NOTE

To get a document on the website, you need to apply for the appropriate user rights. If you are logging in to the website for the first time, you need to register first. For details, see the online help and FAQ.

5.2.1 Registering with the Website

Step 1 First, log in to the homepage of https://support.huawei.com/enterprise/en/index.html and click **Select Region > Language** or **Select a Location > Language** to select the appropriate language.

Step 2 Then click **Register** on the home page of https://support.huawei.com/enterprise/en/index.html to register.

If your registration is successful, you will be informed of your user name and password within two or three working days.

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5.2.2 Viewing or Downloading Documentation

Step 1   Go to the homepage of the website
https://support.huawei.com/enterprise/en/index.html and click **Select Region/Language** or **Worldwide [Change]** to select the appropriate language.

Step 2   Click **Log In**. In the dialog box that is displayed, enter the user name, password, and verification code and click Login.

Step 3   After a successful login, choose **Support > Software Download> FusionCharge > FusionCharge > FusionCharge**，The product documentation page is displayed.

Step 4   Click the view or download icon on the right of the documentation package name to view or download the documentation.

📖 NOTE

- You can also enter the product name in the Product Name text box on the home page of https://support.huawei.com/enterprise/en/index.html to search for documents specific to a product.
- If the file name extension of a documentation package is .hdx, use HedEx Lite to view the documents. You can obtain the software from Huawei customer service engineers.

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6 Vulnerability Fix List

Vulnerability Fix List

For details, see the FusionCharge V100R023C10SPC120 List of Vulnerabilities Fixed.