Star Charge Firmware Release Note - E407 NovaV4 Power Cabinet(Standard)

1.Change Resume

Date	User Unit Or Power Cabinet	Firmware Number	FW Version	Note	FOTA	SD card	PIC
02 Feb 2026	Nova 720 Power Cabinet	E407	2.4607.0_ 20260202	Normal	Yes	All	Leslie
15 Dec 2025	Nova 720 Power Cabinet	E407	2.4606.0_ 20251215	Normal	Yes	All	Leslie
29 Sept 2025	Nova 720 Power Cabinet	E407	2.4605.1_ 20250922	Normal	Yes	All	Abdul Mannan
04 Sep 2025	Nova 720 Power Cabinet	E407	2.4605.0_ 20250812	Normal	Yes	All	Leslie
28 March 2025	Nova 720 Power Cabinet	E407	2.4602.0_ 20250321	Normal	Yes	All	Leslie
10 March 2025	Nova 720 Power Cabinet	E407	2.4601.2_ 20250306	Normal	Yes	All	Leslie

2 .Description

EVSE Model:

Power cabinet: Nova 720 V3/V4

Product Manual：

Please check it in the Cloud Drive Link.

FW Cloud Drive Link：

https://wbenergy.feishu.cn/drive/folder/ZxmvfAHkxlzR6tdcvJbcJF56ngh?from=from_copylink

3. Special Instructions

3.1 Upgrade and Burn Instructions：

Please check it in the Cloud Drive Link.

Note: When replacing with another new AM62 board and using SD card to upgrade, please select the corresponding product mode according to the file in the link.
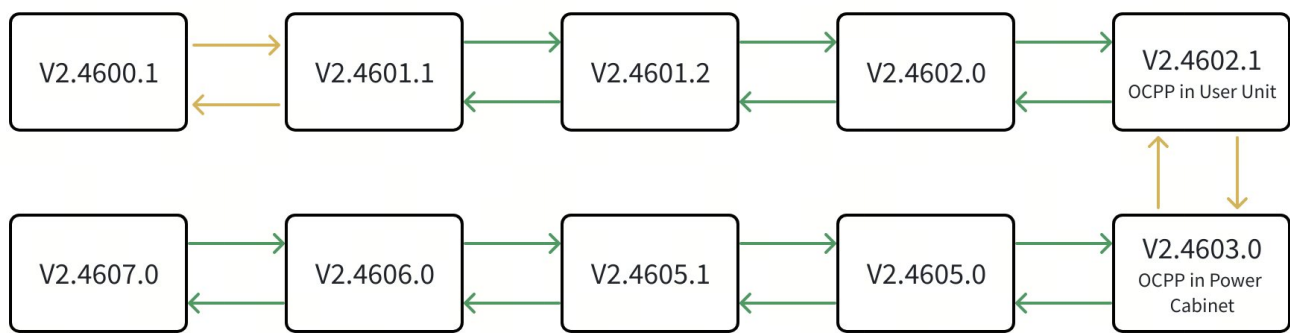
Firmware	Customer code	BOM	Product Type
E407	E5000	D91550001/D91550003/D91550005	CCS2-720（40*18）
	E5001	D91550004/D91550006	CCS2-480（40*12）
	E5002	D91530001	CCS1-720（40*18）
	E5007	D91530002	CCS1-640（40*16）
	E5008	D91550008	CCS2-640（40*16）
	E5100	D90020001/D90020012/D90029001	Standard-720（40*18）
	E5102	D90010001/D92340004	Standard-480（30*16）
	E5106	D90020003	Standard-640（40*16）
	E5109	D92340002/D90010012	Standard-360（30*12）
	E5110	D92340003	Tenaga-480（30*16）
	E5111	D92340005	澳电-360（30*12）

Nova V4 Firmware E407 Upgrade Roadmap:

a. Initial version is V2.4600.1

b. The OCPP configurations are within the User Unit in and before V2.4602.1

c. The OCPP configuration migrated within rectifier cabinet from V2.4603.0

d. While upgrading from V2.4603.0 through OTA, it is necessary to upgrade first to V2.4605.0 (Neccessary Version)

e. While performing OTA from V2.4605.0 can directly jump to V2.4606.0
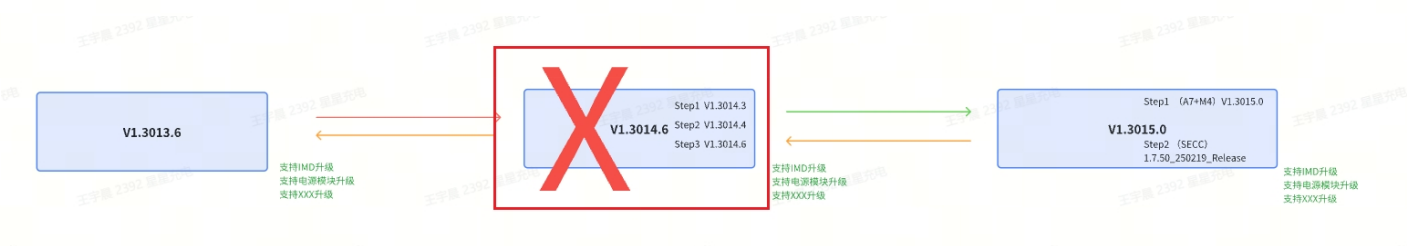
3.2 Upgrade Roadmap：

E407 OTA Path

3.3 Upgrade roadmap Explanation:

The orange arrow indicates that it only supports SD card upgrades and does not support OTA upgrades.

The red arrow indicates that the version must be upgraded, which can be done via OTA upgrade.

Green arrow, representing a version whose upgrade can be skipped, can be upgraded via OTA.

4 Release Version

Version Change Record For Power Cabinet Nova 720 - Feb 02, 2026

Power Cabinet :V2.4607.0 - 02/02/2026 - Leslie		
Release Version of Modules		
Item		Release Version	Change or not Based on Previous Version

	Module/File Name		
1	A53	V2.4607.0	YES
2	PDU	V1.0.1	NO
3	ENV	V1.0.0	NO
4	Upper computer	V1.50.1	NO

Change Logs

Item	Classification	Issue Description	Solutions
1	Add	Network	Use network 3.0

4.1 Old Version

Version Change Record For Power Cabinet Nova 720 - Dec 15, 2025

Power Cabinet :V2.4606.0 - 15/12/2025 - Leslie

Release Version of Modules

Item	Module/File Name	Release Version	Change or not Based on Previous Version
1	A53	V2.4606.0	YES
2	PDU	V1.0.1	NO
3	ENV	V1.0.0	NO
4	Upper Comuputer	V1.50.1	NO

Change Logs

Item	Classification	Issue Description	Solutions
1	ADD	Contactor detection	Adhesion detection of PDU copper bar contactor
2	ADD	Power allocation	Trigger power allocation when limit/release single connector power limitation

3	ADD	Fan	Fan malfunction increases filtering time by 8 seconds
4	ADD	Function	Add charging connector number binding function
5	ADD	SDK	Using SDK 3.0
6	ADD	Power module	Power module OTA

Version Change Record For Power Cabinet Nova 720 - Sep 29, 2025

V2.4605.1 - 2025.09.29 - Abdul Mannan Waseem

Release Version of Modules

Item	Module/File Name	Release Version	Change or not Based on Previous Version
1	A53	V2.4605.1	YES
2	PDU	V1.0.1	NO
3	ENV	V1.0.0	NO

Change Logs

Item	Classification	Issue Description	Solutions
1	新增 Add	A53	add new hwid: E5111（AODIAN）

Version Change Record For Power Cabinet Nova 720 - Sep 04, 2025

Power Cabinet :V2.4605.0 - 04/9/2025 - Leslie

Release Version of Modules

Item	Module/File Name	Release Version	Change or not Based on Previous Version
1	A53	V2.4605.0	YES

2	PDU	V1.0.1	NO
3	ENV	V1.0.0	NO
4	Upper Comuputer	V1.50.1	NO

Change Logs			
Item	Classification	Issue Description	Solutions
1	ADD	OCPP complete and systematic test in power cabinet	

Version Change Record For Power Cabinet Nova 720 - March 28, 2025

V2.4602.0 - March 28, 2025 - Leslie			
Release Version of Modules			
Item	Module/File Name	Release Version	Change or not Based on Previous Version
1	A7	V2.4602.0	YES
2	PDU	V1.0.1	NO
3	ENV	V1.0.0	NO
Change Logs			
Item	Classification	Issue Description	Solutions
1	新增 Add	A53	1. Proposed version for green light test 2. Single gun limited 0 power on-load test 3. [pwr] Station control

Version Change Record For Power Cabinet Nova 720 - March 10, 2025

V2.4601.2 - March 10, 2025 - Leslie

Release Version of Modules

Item	Module/File Name	Release Version	Change or not Based on Previous Version
1	A7	V2.4601.2	YES
2	PDU	V1.0.1	NO
3	ENV	V1.0.0	NO

Change Logs

Item	Classification	Issue Description	Solutions
1	新增 Add	A53	1. Fixed AM62x system crash issue 2. Change through the WEB configuration product model way 3. Change AC relay control logic 4. New PDU relay self-test function 5. Switch to the am62x-2.0 system baseline 6. Added rectifier cabinet total power and single gun power limit 7. SSH Password changes
2	新增 Add	PDU	1. PDU adds the function of communication timeout restart