# Congratulations, you're certified!

You are now guaranteed compatibility with the GreenFlux eMobility platform.

greenflux

ALFEN



Model:

Twin4XL V2G

Firmware version:

2.0.0

AC/DC:

AC

Certification date:

04-04-2025

Certication level:

- [x] OCPP 1.6 JSON
- [ ] OCPP 2.0.1 Core
- [ ] Smart Charging 1.6 JSON
- [ ] Eichrecht

## for Charge Stations connected to GreenFlux Platform using OCPP1.6 via JSON

**Manufacturer Name: Alfen**

**Hardware model: AHP**

**Firmware 2.0.0**

**Tester: Mohanad Elsawy**

**Date: 4/4/2025**

| Step | OCPP Profile | Action | Pass | Remarks |
|---|---|---|---|---|
| Step | OCPP Profile | Action | Pass | Remarks |
| 1 | Core | Boot charging station | ✔ | |
| 2 | Core | Change availability | ✔ | |
| 3 | Core | Get Configuration | ✔ | |
| 4 | Core | Change Configuration | ✔ | |
| 5 | Core | Heartbeat | ✔ | |
| 6 | Core | Charging Session - Local - Plugin first | ✔ | |
| 7 | Core | Charging Session - Local - Identification first - Connection Loss | ✔ | Sends 3 Finishing status instead of 1 |
| 8 | Core | Charging session - Local - Identification first - Connection TimeOut | ✔ | |
| 9 | Core | Hard Reset - During Charging session | ✔ | |
| 10 | Core | Hard Reset - No charging session | ✔ | |
| 11 | Core | Soft Reset - During Charging session | ✔ | - Sends charging status twice when we start the charging session. - Sends Unavailable twice on connector 1 after it reboots - Stops the transaction but the charger does not actually reboot |
| 12 | Core | Soft Reset - No charging session | ✔ | - Sends 2 Unavailable messages for both connector 1 and 2 before it reboots - Received 2 Available status notifications for connectorid 0 |
| 13 | Core | Charging session - Local - Unauthorized | ✔ | |
| 14 | Core | Charging session - Remote Start and Stop Transaction - Cable first | ✔ | |
| 15 | Core | Charging session - Remote Start Transaction - Request first - Unlock Connector | ✔ | - Received 3 finishing statuses instead of 1 |
| 16 | Core | Hardware related notification / error condition | ✔ | |

| Step | OCPP Profile | Action | Pass | Remarks |
|---|---|---|---|---|
| 17 | Firmware Management | Remote Firmware update - Download failed | ✔ | |
| 18 | Firmware Management | Remote Firmware update - Installation failed | ✔ | - DownloadFailed instead of InstallingFailed |
| 19 | Firmware Management | Remote Firmware update - Download & install | ✔ | |
| 20 | Firmware Management | Remote get diagnostics report | ✔ | |
| 21 | Firmware Management | Remote get diagnostics - fail | ✔ | |
| 22 | Core | Clear cache | ✔ | |
| 23 | Remote Trigger | TriggerMessage | ✔ | |