

Delta EV Charger Software Release Note

General Information

Compatible Model	AC MAX
Compatible Model Name	EIAW- E (EU)
Software Revision	v01.26.38.00
MCU FW Revision	01.00.38.06
Software File Name	ACMAX_FW_v01.26.38.00.bin
Date of Release	2024/11/15

Improvement and bug fixed:

Revision	Change Items
V01.26.29.00	<ol style="list-style-type: none"> 1. [WebUI] WebUI support to set OCPP key “HTTPBasicAuthEnable” and input “AuthorizationKey” value 2. [System] system time is wrong when Internet is not OK. 3. [APP] Fix APP schedule function will cause max current setting changed. 4. DNIW-1572 The first BootNotification message from the charger still reports the previous firmware number after FW upgrade 5. DNIW-1546 [APP] MaximunOutput CurrentValue was wrong setting to 0A 6. DNIW-1495 SP US Embassy lost comm issue
V01.26.31.00	<ol style="list-style-type: none"> 1. [DNIW-1769] [OCPP] add the GetConfigurationConf OCPP Log. 2. [DNIW-1622] [OCPP] OCPP will reject changeconfig MeterValueSampledData and MeterValuesAlignedData 3. [DNIW-1447] Factory reset should remove OCPP msg Queue file and ALL OCPP configuration. 4. [DNIW-1651] Transaction ID 348 keeps alive since the first OCPP log, remotestart all rejected. 5. [DNIW-1744] [OCPP]ACMAX need add support for OCPP configure MAX Current 6. [DNIW-1696] [Internal][optimize]ACMAX should not print WiFi scan log when SSID is not set. 7. [DNIW-1722] [OCPP] OCPP16J sometimes encounter

- deadlock
8. [DNIW-1700] [ACMAX] Web OCPP URL support 256 characters
 9. [DNIW-1674] [Internal]ACMAX OCPP16J always timeout after reconnect to Internet
 10. [DNIW-1658] the color of LED is red when do firmware upgrade
 11. [DNIW-1641] [ACMAX] Optimize page caching issues
 12. [DNIW-1590] [GUI]HTTPBasicAuthEnable not support special characters,but GUI has no limit of AuthorizationKey
 13. [DNIW-1575] [ACMAX] Unable to use the HTTP protocol to log in to the page from the wireless STA port
 14. [DNIW-1549] ubi volume should can be re-create when ubiattach fail.
 15. [DNIW-1448] EVPT3215MWE offline RFID can not work
 16. [DNIW-1490] NAND u-boot-env too few good blocks fail
 17. [DNIW-1512] Adjust the 4G log output
 18. [DNIW-1375] [GUI]The eye icon for displayed and hidden password is reversed
 19. (feature): DNIW-1517 [ACMAX] WiFi Security Add "None" Connection Method
 20. [DNIW-1469] [OCPP1.6] encode64 function cause basic authentication failed
 21. [DNIW-1488] [OCPP] ocpp basic auth with special length of boxid
 22. [DNIW-1739] [Internal] ACMAX OCPP GetCompositeSchedule command sometimes return timeout
 23. [DNIW-1755] [Internal] OCPP set configuration for minimum limit
 24. [DNIW-1753] [Internal] ACMAX OCPP config table error after factory default
 25. [DNIW-1751] [Internal]Set SSID to "" and password to "\\ \\ \\ \\ \\ \\ \\ \\",after reboot,SSID not save and p
 26. [DNIW-1375] [GUI]The eye icon for displayed and hidden password is reversed
 27. [DNIW-1505] [OCPP] Simcard to connect to backend but it

	<p>does not succeed, the simcard provider is "XL" ---</p> <p>Upgrade library libwebsockets to 4.3.2</p> <p>28. [DNIW-1639] During the repeated OTA upgrade process, the device is restored to its factory.</p>
V01.26.34.00	<ol style="list-style-type: none"> 1. (fix): [DNIW-1848] <ol style="list-style-type: none"> a) APP not shown red when alarm happened b) APP not shown notify message when alarm happened c) when charger in charging, APP still can configure charger. d) not support notify alarm 0x104 e) when charger in plug and charging mode, APP not start/stop charging. 2. OCTT cases all Pass.
V01.26.37.00	<ol style="list-style-type: none"> 1. [DNIW-1946] RFID init fail at PV test. 2. [DNIW-1991] [DeltaGrid]: Recurring Issue on Billing Report Taman Anggrek 3. [DNIW-1998] Finalized AC MAX FW v01.26.27.00 "NonAuthorizedTag key" 4. [DNIW-2000] [ACMAX] ramdon delay for charge 5. [DNIW-2012] [ACMAX]OCPP SmartCharge 0W will not work after power down and power up. 6. [DNIW-2045] Upgrade from old fw to v01.26.34.06, WiFiCountryCode should be DE 7. [DNIW-2046] Send ModBusRTUSetting.cgi without parameters,will set all parameter value to 0 8. [DNIW-2074] This parameter does not take effect when select "Plug and Charge" in "Online Policy" option for the first time 9. [DNIW-2080] Delta 1-phase AC MAX Smart - MeterValues phase 10. [DNIW-1970] EU PV Test, RYRR20I Register write request 2 fail 11. [DNIW-1907] ACMAX SMART FW v01.26.34.00 with MEA EV Backend 12. [DNIW-1944] implement modbus rtu setting on old architecture 13. [DNIW-1809]AC MAX Smart App Connectivity FW part.

	<ul style="list-style-type: none"> 14. [DNIW-2086]EVSE send remote stop immediately when receive remote charger start from ocpp server 15. [DNIW-2088] Support Mark blocks bad if write fails while upgrading image 16. MCU EU new version AC_MAX_smart_v1.0.37.4.bin(EU Region) 17. Update NA MCU to AC_MAX_samrt_v1.1.0.9.bin(NA Region)
V01.26.38.00	<ul style="list-style-type: none"> 1. DNIW-2117 [urgent] FW: AC MAX negative energy values bug 2. DNIW-2129 AC Max Smart - Modbus RFID register bug 3. (optimize): add alarm code about EV0105 and EV0106 4. (optimize): Fixed ChargeLab Case 2.8:Remote Firmware Update using other Manufacturer's Firmware (only available in TestSuite) 5. (optimize): Fixed ChargeLab Case 1.2:[Ethernet] Connect Charger via Network > 12 hr 6. (optimize): connection status log only print when timeout function enable 7. (optimize): Fixed ChargeLab Case 2.3:Send RemoteStart Transaction request without plugging in 8. [DNIW-2141]AC Max Smart - Modbus Charged Energy register bug 9. [DNIW-2200]Modbus register on how many phases are actively being charged on

Note: Because support Signed Firmware, so it can't downgrade to old version (< v1.26.31.00) which are not Signed Firmware.

1 Revision History

Revision	Changes	Author	Date
01.13.00	Initial Draft	Will Wei	2020/06/19
01.16.00		Will Wei	2020/06/30
01.18.00		Will Wei	2020/07/17
01.19.00		Will Wei	2020/08/10
01.20.00.00		Will Wei	2020/09/23
01.20.00.02		Will Wei	2020/10/12
01.21.00.00	Add Webserver	Will Wei	2020/11/05
01.24.00.00	For (美規) EIAW-EXXKTSXXA0X - plug (版本對齊) 12/21	Will Wei	2020/12/18
01.24.00.07		Will Wei	2021/04/07
01.24.00.10	For EIAW-E22KTSE5A02 - gun 版本對齊	Will Wei	2021/05/28
01.24.00.11	For TE 版本對齊	Will Wei	2021/06/25
01.24.00.13	For TE 版本對齊	Will Wei	2021/08/09
01.25.07.00	For TE 版本對齊	Yuliang Hsu	2022/6/14
01.25.08.00	For TE 版本對齊	Yuliang Hsu	2022/6/21
01.25.09.00	For TE 版本對齊	Yuliang Hsu	2022/6/24
01.25.11.00	For TE 版本對齊	Yuliang Hsu	2022/7/14
01.25.12.00	For TE 版本對齊	Yuliang Hsu	2022/7/26
01.25.13.00	For TE 版本對齊	Yuliang Hsu	2022/9/16
01.26.03.00	For TE 版本對齊	Yuliang Hsu	2022/12/13
01.26.09.00	For euro test	Yuliang Hsu	2023/03/17
01.26.25.00	For FW Release	June.Lin	2023/08/04
01.26.25.01	Clean build	Edward Pl Chen	2023/08/10
01.26.27.00	For TE 版本對齊	Kinnon.Lin	2023/09/15
01.26.29.00	For TE 版本對齊	Kinnon.Lin	2023/10/25
01.26.30.00	For TE 版本對齊	Kinnon.Lin	2023/12/07
01.26.31.00	Offical Release	Kinnon.Lin	2023/12/28
01.26.33.00	Offical Release	Kinnon.Lin	2024/02/29
01.26.34.00	Offical Release	Kinnon.Lin	2024/03/25
01.26.37.00	Offical Release	Kinnon.Lin	2024/07/22
01.26.38.00	Offical Release	Kinnon.Lin	2024/11/15



2 Test Environment

- HW version: S00(R0C0)
- SW version :
 - TIAM3352 : 01.26.38.00
 - MCU: 01.00.38.06
- Tools:
 1. Tera Term

3 Regression Test Report

EVCS - WallBox AC MAX: v01.26.38.00 Sanity Check Report, version 1.0

Rules

* A firmware release candidate has to pass this basic function check before it can be delivered to Customer.

Hardware Version: WallBox AC MAX

MPU Version:V01.26.38.00

MCU Version:V01.00.38.06

Date: 2024/11/15

Testing Case	Test Result (Pass/Fail)
0. OTA	
Verify that can upgrade from the previous version to current version with EZQC	PASS
1. Login	
Verify that can login EVCS with user/password	PASS
Verify Forgot Password can work	PASS
2. EVCS Home Status Page	
Model Name	PASS

GUI



Project Name	EIAW-XXXXXSXXA0X
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Serial Number	PASS	GUI
Ethernet MAC address	PASS	GUI
WiFi MAC address	PASS	GUI
MPU Firmware version	PASS	GUI
MCU Firmware version	PASS	GUI
WiFi SSID	PASS	GUI
3. Configuration - Operating without OCPP Central System		
Verify that operate without OCPP Central System can work	PASS	
Authentication (No Authentication/Delta RFID Card/User List)	PASS	
Maximum Charging time (No Limit/1 Hour/2 Hour/4 Hour/8 Hour)	PASS	
Disable Cold Load Pickup (Disable/Enable)	PASS	
Max Charging Current (32/30/28....10/8/6)	PASS	GUI
System Time	PASS	
4. Configuration - Operating with OCPP Central System		
Verify that operate OCPP central system parameter can work	PASS	
Charge Box ID	PASS	
Server URL	PASS	
OCPP Version	PASS	
Offline Policy	PASS	
Disable Cold Load Pickup	PASS	
Max Charging Current	PASS	GUI
System Time	PASS	
Verify that operating with OCPP Central System via Ethernet	PASS	
DHCP/Static	PASS	
Verify that operating with OCPP Central System via Wifi	PASS	
Security (WPA2-Personal/WPA-Personal)	PASS	
DHCP/Static	PASS	
Verify that operating with OCPP Central System via Cellular	PASS	
6. Edit Password		
Verify that EVCS can change password successfully and login with new password	PASS	
Select Username	N/A	目前 GUI 只有 admin 一个 username
7. Maintenance - Firmware Upgrade		



Verify that EVCS can perform firmware upgrade successful

PASS

8. Maintenance - Log Download

Verify that EVCS can download compressed log file and extract with password SN+@delta

PASS

9. Maintenance - Factory Reset

Verify that EVCS can restore passwords to default values and clear all charging profile

PASS

After factory default,should MPU should send systemlog to MCU like below:
[Infra] Update current limit from 0.00A to 100.00A, Send to MCU is 100

PASS

10. APP test

Verify APP login and configure-Android

PASS

Verify APP login and configure-IOS

PASS

11. OCPP16J test

Verify OCPP16J remote configure

PASS