

Firmware changelog of new features and bug fixes of the AC-Smart Wallbox family

Order No.	Part designation	Version
2863090000	CH-W-S-A11-P-E	Eco, 3ph; 11kW; 16A; Plug 5m
2863070000	CH-W-S-A11-S-E	Eco, 3ph; 11kW; 16A; Socket
2863100000	CH-W-S-A22-P-E	Eco, 3ph; 22kW; 32A; Plug 5m
2863080000	CH-W-S-A22-S-E	Eco, 3ph; 22kW; 32A; Socket
2875210000	CH-W-S-A7.4-P-E	Eco, 1ph; 7,4kW; 32A; Plug 5m
2875200000	CH-W-S-A7.4-S-E	Eco, 1ph; 7,4kW; 32A; Socket
2911200000	CH-W-S-A11-P7.5-E	Eco, 3ph; 11kW; 16A; Plug 7,5m
2911210000	CH-W-S-A11-P10-E	Eco, 3ph; 11kW; 16A; Plug 10m
2911220000	CH-W-S-A22-P7.5-E	Eco, 3ph; 22kW; 32A; Plug 7,5m
2875240000	CH-W-S-A11-P-V	Value; 3ph; 11kW; 16A; Plug 5m
2875220000	CH-W-S-A11-S-V	Value; 3ph; 11kW; 16A; Socket
2875250000	CH-W-S-A22-P-V	Value; 3ph; 11kW; 32A; Plug 5m
2875230000	CH-W-S-A22-S-V	Value; 3ph; 11kW; 32A; Socket
2911240000	CH-W-S-A11-P7.5-V	Value; 3ph; 11kW; 16A; Plug 7,5m
2911250000	CH-W-S-A11-P10-V	Value; 3ph; 11kW; 16A; Plug 10m
2911260000	CH-W-S-A22-P7.5-V	Value; 3ph; 22kW; 32A; Plug 7,5m
2875280000	CH-W-S-A11-P-A	Advanced; 3ph; 11kW; 16A, Plug 5m
2875260000	CH-W-S-A11-S-A	Advanced; 3ph; 11kW; 16A; Socket
2875290000	CH-W-S-A22-P-A	Advanced; 3ph; 22kW, 32A; Plug 5m
2875270000	CH-W-S-A22-S-A	Advanced; 3ph; 22kW; 32A; Socket
2911280000	CH-W-S-A11-P7.5-A	Advanced; 3ph; 11kW; 16A; Plug 7,5m
2911290000	CH-W-S-A11-P10-A	Advanced; 3ph; 11kW; 16A; Plug 10m
2911300000	CH-W-S-A22-P7.5-A	Advanced; 3ph; 22kW; 32A; Plug 7,5m
2987440000	CH-W-A22-S-A-ER	Advanced Eichrecht; 3ph; 22kW; Socket

Firmware updating Information:

An update of the firmware can be done via the web server. A description of the firmware update can be found in the manual on the Weidmüller website: www.weidmueller.com

Software Version: 01.00.10**Hardware Version 01.00.xx****Release date: Dezember 2022**

- Initial Release
- Related Software
 - Bluetooth:
Software Version: 6.380.14.223 Release date: Dezember 2022
 - Initial Release
 - WIFI
Software Version: 3.2.4.4 Release date: Dezember 2022
 - Initial Release

Software Version: 01.01.10**Hardware Version 01.00.xx****Release date: Februar 2023**

- New Features:
 - Dynamic Loadmanagement (only Advanced)
 - OCPP-Communication via Cellular Modem (only Advanced)
 - Charging data storing (only Value/Advanced)
 - Charging data export (only Value/Advanced)
 - PLC-Module presence check (only Advanced)
- Bug Fixes:
 - Time accuracy approved
 - ASCII control characters in Modbus registers will be rejected
 - “+” character is now allowed in passwords etc.
 - “Active charging duration” now set to zero, if charging is deauthorized and authorized again without state A
 - Factory reset now deletes also WIFI and Bluetooth data
 - Taskbar description in Webserver adapted
 - General webserver optimization
 - General stability improvement
- Related Software
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - Bug Fixes:
 - Security gap while bluetooth coupling process closed
 - WIFI
Software Version: 3.2.4.6 Release date: January 2023
 - Bug Fixes:
 - General stability improvement

- New Features:
 - Load management improved
 - Read out and usage of driven current from car (closed loop system)
 - No current reservation for cars in state B
 - Fallback current while connection timeout adapted (new Modbus RTU/TCP Register): Static load management: 6A, dynamic load management 0A
 - General improvements
 - PV-Charging added
 - Possibility to use Modbus-TCP communication to external measurement device added for PV-Charging & load management
 - Individual configuration
 - Preconfigured for Kostal inverter
 - Authorisation via Power Line Communication (car MAC-Address) added
 - Note: Possibility of crosstalk if two or more cars a plug in at the same time
 - Error message for missing SIM card for cellular communication added
 - Full power mode for RFID added (better support of RFID cards)
 - Possibility for external RFID/MAC authorization added (see application node)
 - Reactive and apparent power measurement added
 - Reactive overcurrent error added
 - Logs can be downloaded via webserver as TXT-File
 - Dubbel password entering for password change
- Bug Fixes:
 - Bug while provider or connection mode change in cellular communication fixed
 - Bugfix for big OCPP messages over cellular communication
 - Optimized certificate handling with cellular communication
 - Last found tag will now be deleted after 60s
 - Over current limits adapted because of tolerances of different measuring methods
 - Website optimization for mobile devices
 - General website optimization
 - Current and power values set to zero while relais are open
 - Bugfix for digital Input in Eco-Variants
- Related Software
 - PLC:
 - Software Version: 01.00.00 Release date: April 2023
 - Initial Version with authorization via PLC read out of car mac
 - Bluetooth:
 - Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
 - Software Version: 3.2.5.0 Release date: April 2023
 - Bug Fixes:
 - General stability improvements

- New Features:
 - Possibility to change sign of power from external TCP measurement
- Bug fixes:
 - Adjusted register type from input to holding for Kostal preselection in external TCP measurement
 - External TCP measurement is now possible for PV-charging without dynamic load management
- Related Software
 - PLC:
Software Version: 01.00.00 Release date: April 2023
 - See above
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.0 Release date: April 2023
 - Bug Fixes:
 - See above

- New Features:
 - Optimization, that PV-Batterie will not be discharged in edge cases
 - Optimization for phase switching in PV-Mixed-Mode
 - Network scan for Satellites in Control box
 - General improvements for Webserver
 - OCPP StopTransaction while connection lost will be resend after reconnection
 - OCPP StopTransaction while power failure will be resend after repowering
 - Only Advanced: OCPP Meter Values in Start-/StopTransaction message will be send as absolute value
 - Only Value: OCPP Meter Values in Start-/StopTransaction message will be send as relative value
 - OCPP energy values in MeterValues message will be send as relative value
 - Weidmüller one phase energy meters implemented
 - TCP energymeter preselection expanded for SMA Data Manager
 - RFID-Tags will only be read again after 2 seconds after completion of the previous authorization
- Bug fixes:
 - Bugfix for old/wrong energy value in OCPP MeterValues message
 - Bugfix for error handling while OCPP connection lost and for HTTP failure code
 - Bugfix for Local Authorize Tag with 20 characters
 - Bugfix for missing OCPP StartTransaction message after Authorize message
 - Bugfix for missing OCPP StatusNotification after connection lost
 - Bugfix for negative 16-Bit values for TCP energy meter communication
 - Timeout improvement for WIFI connections
 - Charging data export only possible after login
- Related Software
 - PLC:
Software Version: 01.00.01 Release date: July 2023
 - Bug fixes:
 - Zero-Crossing-Detection Error solved
 - Improved error handling with PLC-Module
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.1 Release date: July 2023
 - Bug Fixes:
 - General stability improvements especially for heavy TCP communication

- Bug fixes:
 - Only Value/Advanced: Bugfix out of SW 01.03.05: Digital inputs 2 – 4 now again usable
 - Only Value/Advanced: Optimized external field detection of RFID-Reader and better performance
- Related Software
 - PLC:
Software Version: 01.00.01 Release date: July 2023
 - Bug fixes:
 - See above
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.1 Release date: July 2023
 - Bug Fixes:
 - See above

- New Features:
 - Optimization of LCM for EVs with minimum charge current >6A
 - TCP energymeter preselection expanded for Huawei
 - OCPP SW Update: Retrieve Date implemented
 - OCPP adaption for “basic auth”
 - OCPP GetDiagnostic for FTPs-Upload implemented
 - OCPP ChargingProfiles respectively Smart Charging implemented
- Bug fixes:
 - Bugfix for LAN networks with heavy broadcast traffic
 - Bugfix for OCPP GetConfiguration when requesting all keys
 - LCM external Energy Meter: Bugfix for negative values
- Related Software
 - PLC:
Software Version: 01.00.01 Release date: July 2023
 - Bug fixes:
 - See above
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.1 Release date: July 2023
 - Bug Fixes:
 - General stability improvements especially for heavy TCP communication

- New Features:
 - ModbusTCP: Ignore the Modbus unit-ID
 - Improve firmware update process: Beginning with 1.5.0 all firmware binaries are combined in a single file package

Note: Downgrading to versions before 1.5.0 may require multiple installation steps!
- Bug fixes:
 - WiFi SSIDs with space are now displayed correctly
 - WiFi passphrases with less than 8 characters will be ignored
- Related Software
 - PLC:
Software Version: 01.00.01 Release date: July 2023
 - Bug fixes:
 - See above
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.5 Release date: February 2024
 - Bug Fixes:
 - General stability improvements especially for heavy TCP communication

- New Features:
 - Add multiple languages for website
 - Available languages depend on the firmware file used during the update
 - Add RFID tag names in exported charging history
 - Add option to disable reactive overcurrent shutdown
 - Add open source licence information in website
- Bug fixes:
 - Improve relay control logic
 - WiFi passphrases with less than 8 characters will be ignored
- Related Software
 - PLC:
Software Version: 01.00.01 Release date: July 2023
 - See above
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.5 Release date: February 2024
 - See above

- Bug fixes:
 - Bug fixed in Charging Data Export with RFID tag names
- Related Software
 - PLC:
Software Version: 01.00.01 Release date: July 2023
 - See above
 - Bluetooth:
Software Version: 6.380.14.224 Release date: January 2023
 - See above
 - WIFI
Software Version: 3.2.5.5 Release date: February 2024
 - See above

- New Features:
 - Introduce AC Smart Advanced Eichrecht (CH-W-A22-S-A-ER, 2987440000)
 - Add support for OCPP TriggerMessage
 - Add field "iccid" in OCPP BootNotification
 - Add read-only OCPP configuration key "SupportedFileTransferProtocols"
 - Charging power may be limited to 4.2 kW (German §14a EnWG) using digital input
 - LCM global current limit may be reduces using digital inputs
- Bug fixes:
 - Fix some webserver translations
- Related Software
 - PLC:

<u>Software Version: 01.00.01</u>	<u>Release date: July 2023</u>
▪ See above	
 - Bluetooth:

<u>Software Version: 6.380.14.224</u>	<u>Release date: January 2023</u>
▪ See above	
 - WIFI

<u>Software Version: 3.2.5.5</u>	<u>Release date: February 2024</u>
▪ See above	
 - Secure (Only AC Smart Advanced Eichrecht)

<u>Software Version: 01.00.06</u>	<u>Release date: February 2024</u>
▪ Initial Release	
▪ Hash 6AB0D7710FC1F424987A00AE05D33C89F59F51641641021C7E1AFC1474342E43	