

MENNEKES AMTRON via OCPP

Configuration description for integrating a MENNEKES AMTRON charging wallbox into a central management system via OCPP.

1. Configure MENNEKES AMTRON for OCPP

Backend / OCPP connection

- **Connection type:** Ethernet
- **OCPP version:** OCPP-J 1.6
- **ChargeBoxIdentity (ChargePointID):** ***** (Use the Serial Number of your Wallbox)
- **Backend WebSocket URL:** ws://<ip address of your controller>:8550
- **WebSockets proxy:** -
- **WebSockets Keep-Alive interval:** 0
- **OCPP connection strictness:** All Ciphers (all ciphers).
- **HTTP Basic Authentication:** -
- **Heartbeat messages always send:** On
- **Informative StatusNotifications:** On
- **StatusNotifications for errors:** On
- **Occupied condition:** Occupied During Charging
- **Skip Suspended State on Transaction Start:** On

Security note: The supplied configuration uses an unencrypted WebSocket URL (ws://). If the central system supports TLS, you can use the corresponding secure endpoint and certificate settings according to the deployment requirements.

2. Authorization and RFID

Authorization

Parameter	Value shown in AMTRON
Free Charging	Off
Allow Charging in Case of Doubt	Off
Enable Charging Control in Dashboard	On
Time limit for vehicle connection following authorisation [s]	63
Send OCPP Authorize for RemoteStart	On
Mode When Stopping a Transaction	Normal
Close the actuator only if authorised	Off

RFID settings / whitelist

Parameter	Value shown in AMTRON
Case Sensitivity for RFID Tag	Uppercase
Accept Only Tamper-Proof RFID	Off
Enable Local Whitelist	Off
Enable OCPP Whitelist	Off
Local Pre-Authorization	On
Local Offline Authorization	On

3. Energy meter / OCPP meter values

Parameter	Value shown in AMTRON
Meter Values Sampled Data (OCPP)	Energy.Active.Import.Register
Meter Value Sample Interval (OCPP)	10 (can be changed at your discretion)
Meter Values Aligned Data (OCPP)	Energy.Active.Import.Register
Transmission Interval [s] of Time-Aligned Data (OCPP)	0
Power Flow Direction of L1 of External Meter	Standard
Power Flow Direction of L2 of External Meter	Standard
Power Flow Direction of L3 of External Meter	Standard

4. Connection to the Central Management System

- **DDF Upload:** Load the OCPP DDF into the DeviceStation of your central management system
- **Configuration:** All charging points must be entered according to the schema: [Serial-Number]:[ID], [Serial-Number]:[ID], ...
- **Important:** Do not use any spaces.
- **Identifying IDs:** The numbering of the IDs is typically consecutive (usually starting with 1).
- **Example:** For a network with 2 charging stations with Serial Numbers 123456 and 987654:
123456:1,987654:1