EzGYM · OCPP 1.6J

How to set up GoodWe HCA G3 with EzGYM

https://www.ezgym.net/en/free-ocpp-server/goodwe-hca-g3

GoodWe HCA G3 configuration

GoodWe’s HCA G3 manual lists OCPP 1.6J and 2.0.1 and uses the SEMS+ app, but does not show the OCPP server screen; earlier HCA generations are not documented with OCPP. Ask GoodWe or your installer where to enter wss://charger.ezgym.net/ and the ev… identifier, and choose OCPP 1.6J.

Each charger needs its own identifier. Do not reuse the first unit’s ID on the second: add every charger separately and use its own connection details.

Connect your EV chargers (wallboxes) to EzGYM and manage them from the app: see whether they are free or charging, the power and energy of each session, who charged (with their RFID card) and what each session costs at your price per kWh. You can also start, stop or unlock the cable remotely. It uses the open **OCPP 1.6J** protocol and is free, up to 20 chargers per account.

Which chargers work

Any charger with **OCPP 1.6J** (also listed as "OCPP 1.6 JSON" or "OCPP WebSocket"): ABB, Wallbox, Huawei, Schneider, Autel, Teltonika, WEG, Besen and most wallboxes with an app that let you choose the OCPP server. The datasheet or the manual says so.

> Chargers that only work with the manufacturer's cloud (no "OCPP server" or "central system" option) cannot be connected.

For the **Teltonika TeltoCharge** there is a step-by-step guide, written with Elprosys.

Teison OCPP integration · Elprosys.

1. Add the charger

1. In the app, go to **Menu → EV Chargers** and tap **Add charger**.
2. Enter a name (for example "Bay 1"), the location and the **max power** in kW.
3. **Price per kWh** (optional): if you set it, each session shows its cost. Leave it empty if the charger is for your own fleet and you don't charge for it.
4. **Require an authorized RFID card**: when on, only active employees, customers without debt and sessions you start from the app can charge.
5. Save. The app shows the **OCPP connection details**.

> The password is shown **only once**: write it down. If you lose it, open the charger and tap **New password**.

2. Configure the charger

In the charger's app or web settings, find the **OCPP** menu (sometimes "Central System", "Backend" or "Server") and enter:

- **OCPP server URL:** the **OCPP URL (WSS)** the app gave you, for example `wss://charger.ezgym.net/ev4k2p9x7q1m`. Complete, with the identifier at the end.
- **ChargeBox ID / Charge Point ID / Identity:** the app's **ChargeBox ID** (the same one at the end of the URL, for example `ev4k2p9x7q1m`). Some chargers ask for it separately and add it to the URL themselves: in that case enter the URL without the identifier.
- **Password (Basic Auth / Authorization key):** the password the app showed you, if the charger has that field. If it doesn't, it's not needed.
- **Version:** OCPP 1.6J (JSON).

Save and reboot the charger. Within a minute or two the app shows it as **Available**, with its brand, model and firmware.

> Use `wss://` when the charger supports it. If the app offers a `ws://` URL, use it only for equipment that needs unencrypted compatibility.

To enforce authentication, first set up WSS and HTTP Basic on the charger. Use the ChargeBox ID as the username and the password generated by the app. Once you verify the connection, turn on **Require WSS and password**. Treat the URL as a credential.

Before using the history for billing, run a short charge and compare its kWh with the difference in meter readings. Test a controlled disconnect during charging and verify that the session closes once after reconnecting. If you use RFID, also test access without network connectivity under the charger’s configured policy.

3. Charging

- **With an RFID card:** the card or key fob you **assigned** to a customer or an employee is accepted (see below), and so is a key fob that already carries the employee's attendance-clock number or ID document. If you turned on **Require an RFID card**, an unassigned card, an inactive employee's or a customer with debt can't charge.
- **From the app:** on the charger page, tap **Start charge**. To finish, **Stop charge**. If the cable is stuck, **Unlock cable**; if the charger doesn't respond, **Reboot**.

> Commands (start, stop, unlock, reboot) only show up while the charger is **connected**: if it's offline they wouldn't reach it.

While charging, the app shows the power, the energy and, if the car reports it, the battery percentage, live.

Register a card

Each card or key fob has its own code (for example `04A1B2C3`), which is nobody's ID document: you assign it once.

1. Tap the card on the charger. If a card is required, it rejects it.
2. The charger page shows **"The charger rejected card 04A1B2C3"**: tap **Assign it**.
3. Search for the customer or employee by name or ID number and pick them. From then on it charges, and each session is recorded under their name.

You can also add it by hand in **EV chargers → RFID cards → Add card** if you know the code. That's also where you see all the cards and remove them.

4. Sessions and energy of the month

In **EV Chargers** you see the **month energy**, the number of **month sessions** and how many chargers are **charging now**. Below, the **recent charging sessions** with who charged, when, the kWh and the cost. Each charger page shows its own sessions.

5. Each person’s usage in the month

In **Usage per person** you see how much each client or employee charged in the period: number of sessions, kWh and cost, from highest to lowest, with the total at the bottom. Tap **This month** or **Last month**, or pick the dates. Sessions with a card you haven't assigned yet show as **Unassigned card**, and those started from the app or without a card are listed separately.

To bill or deduct each person, tap **Download Excel**: it has a **By person** sheet with those totals and another one with every session (who, when, kWh and cost).

If you have chargers in more than one place (buildings, branches), fill in each one's **Location**: a **By location** list then shows the sessions, kWh and cost of each place, and the Excel adds that sheet. Costs are shown in your account currency (your country's, or the one you chose in Settings), the same one you use for the price per kWh.

If it doesn't connect

- **Still "Waiting for connection":** check that the URL is complete (with the identifier at the end) and that the charger has internet. Reboot the charger after saving.
- **Connects and drops:** usually the password. Tap **New password** on the charger page and enter it again in the charger, or remove it from the charger if it doesn't need one.
- **"Offline":** the charger lost internet or was turned off. It comes back by itself when it reconnects.
- **It rejects the card:** assign it (see "Register a card"). If it's already assigned, check that the employee is active or that the customer has no overdue invoices.

FAQ

Do I need my own OCPP server? No. EzGYM is the OCPP server (central system): the charger connects directly.

Does it cost anything? No, it's included, up to 20 chargers per account.

Can I charge drivers for it? The app calculates each session's cost at your price per kWh and gives you the period's Excel so you can invoice or deduct it. It doesn't charge the driver by itself.

Manuals and documentation

WEB · en.goodwe.com

Configuration guide

PDF · EN · HCA G3 · en.goodwe.com

User and installation manual

Documentation reviewed on 2026-11-24. Compatibility depends on the variant and firmware.