



INERGIO Mini

Quick installation manual

1 Set up the cabinet

Place the fuel cell in a **well ventilated cabinet and protected from weather**.

Cabinet design considerations

- Ensure **proper air circulation** to prevent overheating.
- The **exhaust** must be directly vented outside.
- If necessary, install **ventilators** to improve airflow.
- **Large openings** may be sufficient, but ventilation requirements should be assessed based on cabinet design.
- Install a **CO sensor and an inflammable gas detector** in the area for added safety.
- Have an **opening at the bottom** to let heavy inflammable gas go out of the cabinet.
- **Openings on the top** of the cabinet are more efficient to exhaust hot air by convection

2 Pre-installation checklist

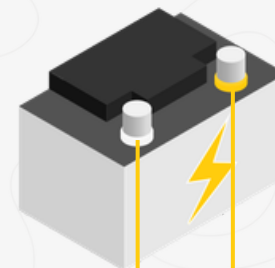
Before connecting/disconnecting anything, ensure:

- ✓ The **emergency stop is engaged**.
- ✓ If the system was previously running, it has **cooled down for ≈ 2 hours**.
- ✓ The battery **remains connected during the cooling phase** to protect the fuel cell stack.



6 Power up

Release the **emergency stop** and **open the propane bottle** to allow gas flow to the system.



5 Connect the battery

Use the **Amphenol PWMU 04BFMB TL700 plug** and have a **certified electrician** complete the wiring.

The system supports **12VDC lead-acid and LiFePO4 batteries (24 V option also possible)**.

A **minimum 400 Ah battery** is recommended to ensure stable operation.

3 Connect the propane

Use a **30 to 50 mBar pressure regulator** to connect the propane bottle.

Ensure that the **sulfur trap** is installed in the correct flow direction.

Use only **propane certified pipes** for the full line.



4 Perform a leak test

- ✓ Apply **soapy water** to all gas line connections and open the propane bottle.
- ✓ If **bubbles appear**, this indicates a leak.
- ✓ **Tighten or replace** the faulty connection. In case of doubt, contact INERGIO's support.
- ✓ **Rinse with clean water** to complete the test.