



What is INERGIO Mini?

Fuel cells are devices that generate electricity through a chemical reaction. Unlike combustion engines, they don't burn the fuel but convert it directly into electricity, which makes them efficient, quiet, and low-emission.

At INERGIO, we develop Solid Oxide Fuel Cells (SOFCs), a specific type of fuel cell that can run on widely available fuels like natural gas or propane. SOFCs are known for their high efficiency, long lifetime, and fuel flexibility.

Our systems integrate seamlessly with existing solar setups and activate automatically whenever battery levels drop, recharging them and ensuring uninterrupted operation all year round, in any weather.

No maintenance. No site visits. Just plug it in, and forget about it.

Industries

- Mobile and Stationary Surveillance
- Oil and Gas Applications
- Traffic Management
- Environmental Monitoring



Key product benefits



Powered by commercial propane



Clean and silent operation



Resilient in cold and harsh conditions



Technical specifications

Fuel	Commercial propane*
Power	200 W
Max. daily electrical output	4.8 kWh/day
Nominal operating voltage	12V (24V, 230V or battery charging voltage on request)
Electrical connections	Amphenol LWTPWMU-04RMFS-TS7001
Fuel consumption	0.1 lb/h (@200W)
Lifetime	>15,000 h
Efficiency	35%
Energy created /lb of fuel	2.02 kWh/lb
Size	497 × 334 × 404 mm - 19.6 x 13.1 x 16 ^{***}
Gas connection	3/8" UNF for US and Canada
Inlet gas pressure	0.435 - 0.725 PSI
Weight	63.8 lbs
Ambient temperature	-4 to 131 °F (-40°F upon request)
Communications	USB, RS-232 or ethernet (TCP/IP)
Noise level at 1 m	< 50 dB

*Purity to be verified per country **If the unit ventilation is not aligned with the enclosure ventilation, a clearance of 2 in or more is required.

| 15 000+ hours lifetime | -40 to 131 °F

 Swiss Engineered

Interested in a demo? [Schedule a Call](#) ↗



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