

Flux Home

“Today you spend
on energy, but it
doesn’t help you
sell homes”



Utilities Control Your Timelines

What's happening:

- Limited capacity where you want to build
- Timelines tied to utility availability
- Every project becomes a custom solution

What it Costs You

- Delays & redesigns
- Capital tied up
- Lower returns

The Reality

“You build around capacity—not opportunity”



Grid Tie Investments Don't Drive Sales

What's happening:

- Energy infrastructure is required and costly
- It is invisible to the buyer
- It solves a requirement—but not a selling point

What it Costs You

- No product differentiation
- No increase in perceived home value
- No impact on buyer decision

The Reality

You spend capital, but it does not improve your ability to sell





Build on Your Terms

A different approach with Flux.



Control Energy Without Waiting

What's happening:

- Energy is deployed when and where you need it
- No reliance on utility capacity timelines
- Integrated into construction execution

The Impact

- Project timing becomes internally driven
- Delivery becomes predictable
- Development decisions shift to opportunity—not capacity

Takeaway

You control energy capacity, instead of waiting for it



A Clear Differentiator

What's Different:

- Most homes offer the same grid – dependent experience
- Energy systems are not visible or understood
- Saves project execution time by ~30%

The Impact:

- Drives buyer attention and engagement
- Reduces price-based competition
- Strengthens sales conversations

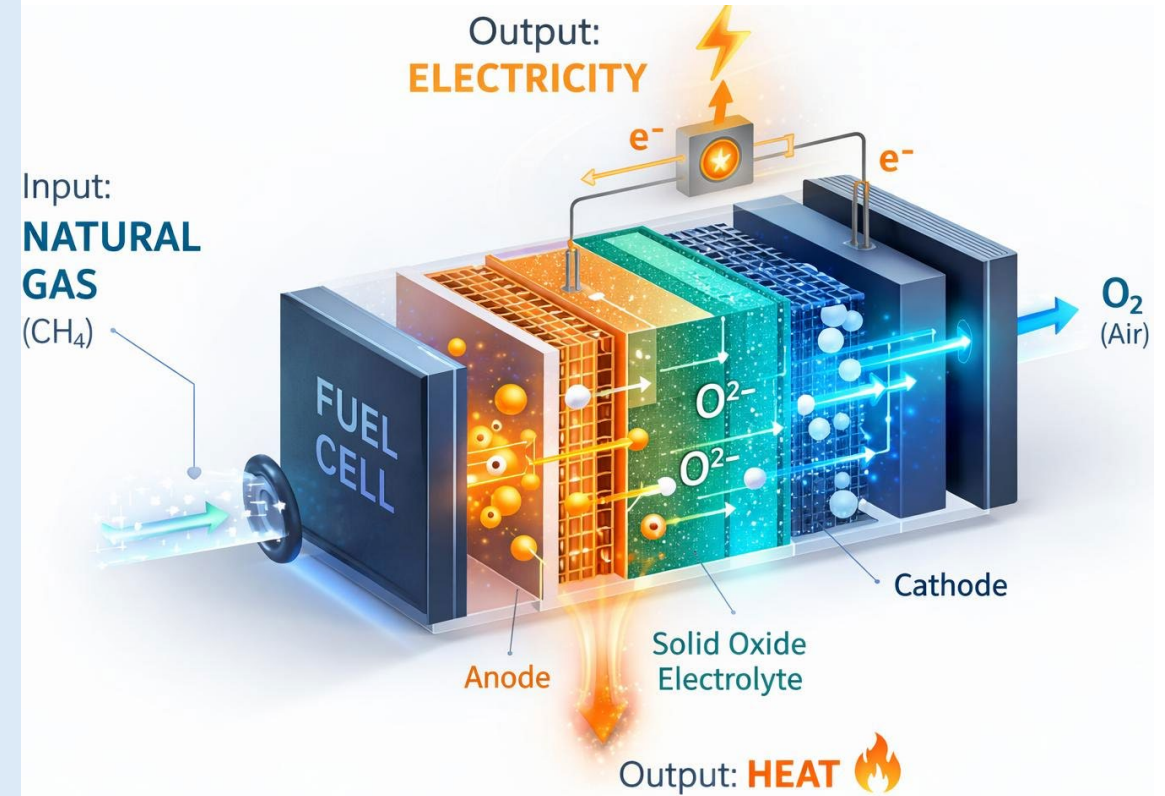
Takeaway

Buyers recognize the difference and it influences their decision



The Technology

- No moving parts
- Whisper quiet operation
- Simple annual maintenance
- 1 day installation
- SMART Technology
- Dims: 2' x 2' x 5'



Simple Installation



You Just Changed the Game

For the first time, you're no longer building around utility constraints—you're building around opportunity

- Build where you want, when you want — no waiting on the grid
- Control your timelines — turn uncertainty into predictability
- Turn energy into a selling point — not just a sunk cost
- Accelerate delivery (~30%) and unlock faster returns
- Differentiate every home in a crowded market
- Flux isn't just power—it's control, speed, and a competitive edge.

This is how you stop reacting to limitations and start scaling on your terms.

		DESCRIPTION	DESIGN
1	Concentric Exhaust	Single Penetration pipe with Exhaust flowing through the inner tube, and supply air through the outer path. Common with high efficiency furnaces and tankless water heaters	• 80mm/125mm stainless steel concentric exhaust pipe. • Can be installed in horizontal or vertical configurations.
2	Water Circulation Loop	This system uses an internal pump to supply heat for hot water and household loads or reject excess heat outdoors. It is configured to meet household demand and maintain minimum heating requirements.	• ½" pipe minimum, compatible with domestic hot water • Modulating diverter valve. • External Radiator, 7 MBH min. • Option of primary/secondary loops and/or boiler integrations.
3	Natural Gas	Utilizes natural gas supply directly from building.	• ½" pipe rigid, ¾" pipe. • Utilizes internal desulfurizer.
4	Condensation removal	Dispose of excess condensation generated from the unit. Filtered water can be disposed into drains.	• ¼" min dia. flexible tubing. • Optional condensate pump
5	Flux Power Output	Flux unit provides continuous power supply to battery/inverter. Adjusts to loads.	• 8 AWG wire, ½" conduit minimum.
6	Battery / Inverter	Residential certified battery and inverter paired system. Provides 120 VAC to the household. Optional inverters with grid connect / solar input available.	• 12 AWG wire, ½" conduit minimum from Inverter to electrical panel
7	Panel Connections	Power supplied from the battery / inverter is fed into the main panel.	• Isolation disconnect • Transfer switch
8	Controls / sensors	Communication setup between components and remote monitoring. Wired connections for external CO and CH4 sensors.	• CO sensor (supplied) • CH4 sensor (supplied) • WiFi setup (optional)

Install Specifications

- Model/ System: Flux micro – CHP (Fuel Cell Heater)
- Electrical output (Net, AC): 1.5kW ((≈ 36 kWh/day at full load)
- Fuel Input: Natural Gas (preset NG-E, convertible to NG-LL)
- Fuel Consumption: ≈ 0.35 m³/hour at NTP)
- Nominal Voltage: 120 VAC @ 14A
- Battery Certifications: UL 9540, UL 9540^a, UL 1973, CEC
- Inverter Certifications: UL1741, FCC Part 15, Class B

