

The purpose-built revolution: Why your home deserves more.

At Kight PowerHub, we believe the domestic energy market has reached a critical turning point. For too long, the industry has relied on 'good enough' solutions – specifically, micro-storage units built from excess or repurposed car batteries.

The reality is clear: Current domestic energy storage options are fundamentally designed for electric vehicles not the home. To achieve true energy independence, no fire risk not less fire risk and a proper ROI we must stop powering our living rooms with technology designed for the road.

The Four Pillars of the storage crisis

1. The safety deficit

Most home batteries today utilise lithium-graphite chemistry, LFP and whilst standard in the automotive world, this chemistry carries an inherent fire risk that is increasingly difficult to justify as the battery or insure in a domestic setting.

Safer is not the same as safe.

2. The longevity gap

LFP and Sodium Ion batteries are not able to operate effectively for higher cycles of charge and discharge required in the modern home and grid. Steep degradation curves increases the risk of thermal runaway as well as requiring replacement of the battery far earlier than their marketing would like you to know.

Read the small print of the warranty and you find that if your wifi does not work and you drop communications by more than 10%, your warranty will be invalidated and that does not feel the right approach.

3. The kWh con

Nearly all systems don't give you 100% of the charge available reserving 20% to protect the battery so what you pay for is not what you get. This worsens over time, whereas at Kight, we want you to have what you paid for.

4. Wrong weather excuse

LFP does not like the cold. In fact, it really hates the cold and yet the reality is we live in the Northern Hemisphere where cold is a fact of life and with climate change, now heat is also an issue. What you don't need is for your battery to stop working when it gets cold or hot.

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At Kight we believe in better outcomes that's why we offer the PowerHub:

- A battery that is safe and has no fire risk backed by insurers
- That we warrant for up to 20k cycles and or 25 years
- That gives you 100% charge availability

The Kight PowerHub works in -40°C to +55°C outside fully weather proof, so no 'wrong weather'.

Critically, we support and monitor your battery 24/7 using our own communications device, always working out the best retail tariff, best time to charge and to export to maximise how much you save.

EnergiFlow our AI driven management platform is your own personal energy trader who never sleeps and works out what is best for you.

The Kight conclusion

Believe in better energy. Invest in a home system that manages your power for you. Sleep soundly knowing you're living life on your schedule, cutting costs and helping the grid save the planet. The amazing benefits of the Kight PowerHub.

The future of energy is not repurposed; it is purpose-built.

