



Powered by Safety.

About Cold Electric

Cold Electric, a leading manufacturer of LFP cells, modules, and systems, is a spin-out from the Formosa Plastics Group (which has a \$17B market cap) and operates at the Nan Ya Petrochemicals complex.

With 20+ years of R&D on lithium ion batteries, our proprietary technology sets unmatched safety standards in the market. Cold Electric's vertical integration covers full in-house production from chemical formulation to module assembly.

Empower the world to generate,
store, and trade clean energy –
anywhere, anytime.



Made in Taiwan



Main Business Offerings



→ Core System Components

Battery Energy Storage Systems (BESS)

Cold Electric's optimized thermal design and smart management improve safety and ROI in our products:

1. Cold OG
2. Cold OG2
3. Cold ZERO

Our BESS adapts to different use cases, ranging from commercial buildings to industrial sites. Our safe LFP chemistry with high fire resistance, passed UL9540A testing at the cell, module, and system levels independently.

Energy Management System (EMS)

Integrated within our BESS, our intelligent EMS software has 3 essential benefits:

1. Maximized efficiency via optimal dispatch
2. Enhanced resilience during outages by prioritizing critical loads
3. Significant cost savings by automatically shifting usage away from peak periods

Cold Electric provides our clients with interactive dashboards, which offer live system performance metrics, predictive maintenance alerts, and energy consumption and generation trends.

Main Business Offerings



→ Integrated Energy Solutions

Microgrid Systems

Cold Electric designs its microgrids with a plug-n-play, modular architecture:

- Validate system performance at each stage
- Add storage, renewables, or load connections without system redesign
- Future proofed for evolving technology

We start with a core system sized for current needs. As energy demand grows, or as more renewable generation is added, the system can be expanded seamlessly by plugging in additional modules.

Solar & Storage Integration

Our **Solar + Storage Integration Model** addresses solar intermittency and maximizes economic returns:

- Strategic storage and discharge to maximize capacity fees and capture high-price periods
- Stable power, resolves weather challenges
- EMS integration for optimal usage & peak-shaving
- Supports carbon reduction goals and ESG

Excess daytime solar power is stored in the BESS and discharged at night or during peak demand, maximizing self-consumption and supporting carbon reduction goals and ESG.

Leadership Team



Dr. Margaret Wang, Chairwoman

Dr. Margaret Wang is a University of London chemistry graduate and Formosa Plastics Group veteran who serves as Senior VP at Nan Ya Plastics. She brings extensive manufacturing leadership and carries forward the energy efficiency legacy and environmental vision of the Group's late co-founder, Y.C. Wang, in Taiwan.



Phil Chen, CEO

Phil Chen is a technology innovator who led development of the first Android phone and founded HTC Vive and the EXODUS crypto phone. As Founding Partner at Race Capital and partnered investor with 886 Studios, he now leads Cold Electric's decentralized, sustainable power grid initiatives, drawing on his expertise in hardware and venture building.

We are Cold Electric.

Powered by Safety



Nonflammable

Redefining Safety and Quality

Extremely Low Risk of Thermal Runaway



Cold Electric Takes Safety to Another Level

At Cold Electric, safety isn't just a feature –
it's the foundation of our revolutionary approach to energy storage.



15% Lower in Temperature

Benefits of enhanced system safety, improved efficiency, and reduced reliance on costly external cooling or fire-suppression systems



Proprietary Fire Retardant LFP

Our innovative patented chemical formula and soft-pack design create non-flammable batteries, an unprecedented standard for LFP battery safety

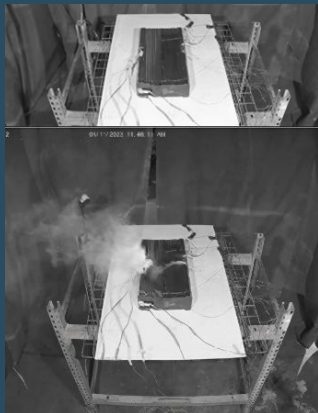


Self-Sufficient Safety

Our cells operate at 15% lower temperatures (about 15°F lower) than comparable products while charging and discharging, reducing overheating risk

Testing

UL lab technicians repeated tests 3 times because they couldn't believe our battery wasn't catching on fire.



Heating Test

Typical LFP: High heat leads to the casing rupturing and potential ignition.

Cold Electric: No structural collapse or casing rupture observed, with no flames or explosions.



Puncture Test

Typical LFP: In the event of cell damage, even a dead cell will immediately emit white smoke or ignite.

Cold Electric: No venting smoke or flame when a live battery cell was punctured.



Thermal Runaway

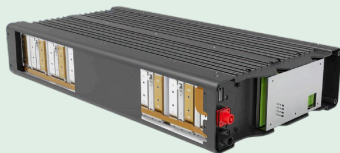
Typical LFP: Thermal runaway at 600°C results in a prolonged intense chemical fire lasting over 2 hours.

Cold Electric: No fire or explosion, only white smoke for 10 minutes, with temperatures remaining below standard.

Tested and Certified



- UL2580
- UL1973
- IEC62619
- CNS62619
- UN38.3
- UL9540A



- UL1973
- IEC62619
- CNS62619
- UN38.3
- UL9540A



- UL1973
- IEC62619
- CNS62619
- UL9540A



- UL9540
- IEC62933
- CNS62933

Quality Control



23 Stations

256 Material Level QC Points

408 Assembly Line QC Points



In-House R&D



Coating



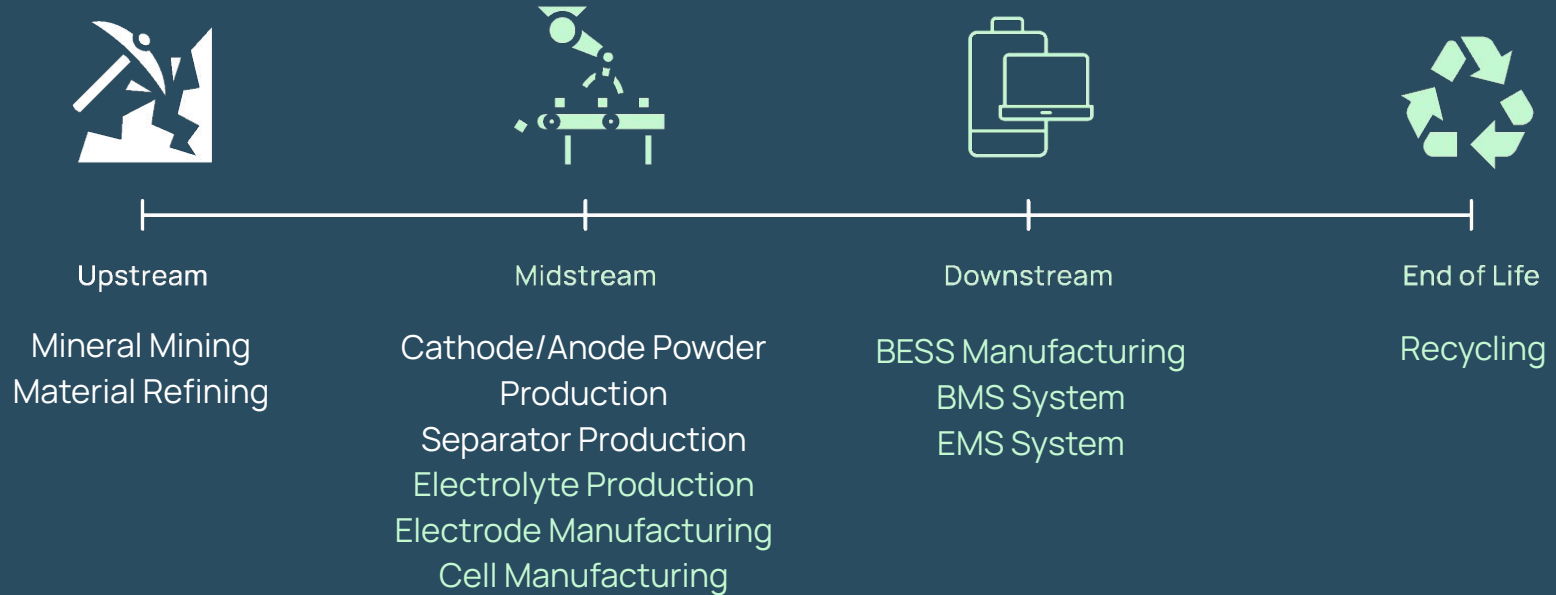
Calendering



Automated Cell Packaging

Supply Chain Position

Cold Electric's operations (shown in green) span from midstream to downstream segments of the battery supply chain.



We are a **Taiwanese company** producing certified battery cells for energy storage systems.

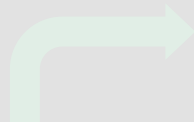
Manufacturing in Hyper Growth

Our products are currently available in the market with scaled production capacity of 350 MWh.

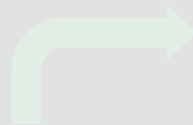
Future giga-scale capacity is under development and will soon be ready for your projects.



Year End Capacity
200 MWh



Capacity Expansion
350 MWh



Gigafactory Opens
3 GWh

Cold ZERO

Rugged, Modular Backup System



Use Cases

- Automatically deploy stored energy to shave expensive utility peaks
- Critical systems online during outages - no manual intervention required
- Pair with solar, wind or generators
- Aggregate capacity for ancillary markets, auctions and wholesale trading

System Integration

- Native, 2-way link for load optimization, forecasting and automated dispatch
- IP54-rated: weather-proof design for outdoor or industrial deployments
- Peer-to-peer and market trading through our Virtual Power Plant platform
- 24/7 cloud visibility, firmware orchestration and health alerts



Cold OG2

High-Capacity Energy Module, New Product

Use Cases

- Seamless power for data centers, hospitals or office parks
- Hybridize solar, diesel, and wind for resilient island-mode operation
- Automate discharge during high-peak periods
- Aggregate capacity for frequency regulation and ancillary markets

System Integration

- Cold Electric EMS: forecasting, load optimization, and market bidding
- PCS connectivity: plug-n-play functionality via CAN/Modbus protocols
- SCADA/OPC-UA/IEC 61850 compatibility: integration with utility control
- 24/7 Remote Monitoring delivers cloud telemetry, firmware orchestration, and live alerts for continuous system oversight

420 kWh single-rack system for commercial, industrial and utility use.
You can **parallel up to 4 racks (1.6 MWh)** under one EMS instance.



Cold OG

High Capacity, Industrial Grade

Use Cases

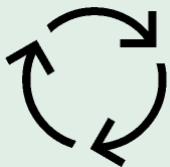
- Discharging during peak price windows
- Autonomy for remote communities and sites
- Peak demand shifting for data centers, hospitals, and industrial plants
- Frequency regulation, capacity auctions, wholesale

System Integration

- Direct tie-in to your substation or transformer
- Configurable power conversion settings
- Protective relays and safety interlocks
- Modbus RTU/TCP, OPC-UA, IEC 61850 support
- Live dashboards, automated alerts, and over-the-air firmware orchestration via Cold Electric EMS



Comprehensive Services



≥ 6000 Cycles

Enjoy a warranty of ≥ 6000 cycles, guaranteeing durability and performance over an extended period



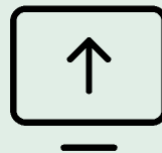
10 Year Warranty

Benefit from a generous 10-year warranty, ensuring long-term peace of mind for your investment



Quality Assurance

Each unit is already carefully prepared, with BMS, AC, and battery modules, all expertly installed and tested before shipping



EMS Updates

Experience the convenience of lifetime EMS updates, ensuring your system stays up-to-date with the latest features.

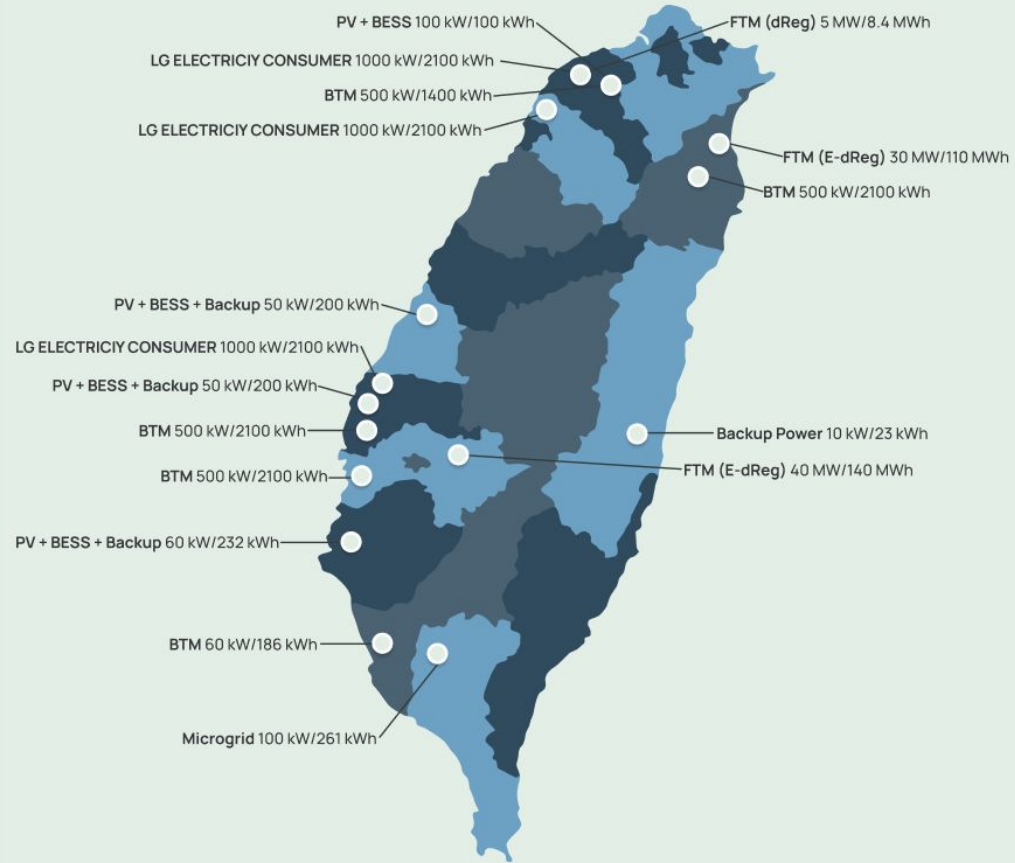
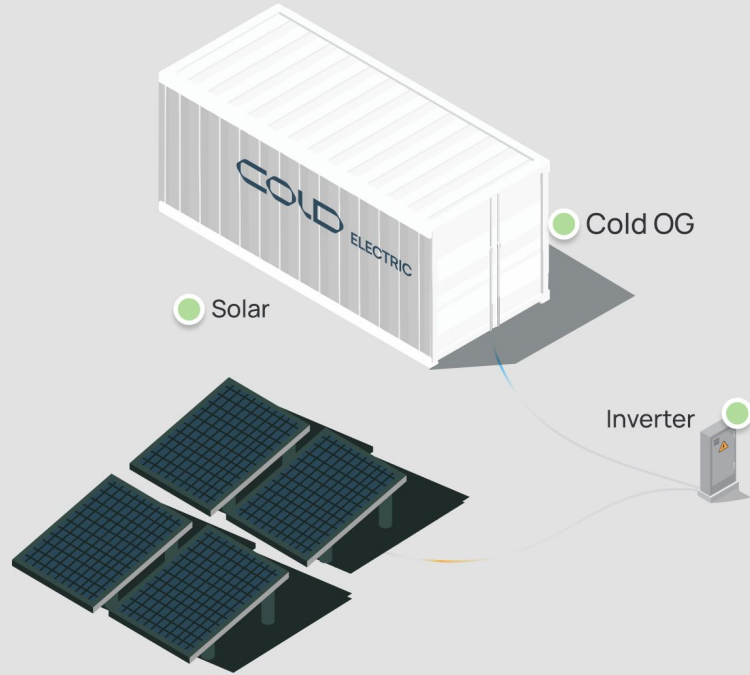


24/7 BMS

Rest assured with round-the-clock BMS supervision: continuous control and monitoring for optimal performance

Taiwan Deployments

More than 81 MW / 275 MWh deployed in Taiwan



Strategic Partnership

Effective March 2026

Official Press Release: https://en.coldelectric.com/detail_news?slug=2026-03-02-cold-electric-yuasa-mb-partnership

The logo for Cold Electric, featuring the word "COLD" in a bold, black, sans-serif font, followed by "ELECTRIC" in a smaller, black, sans-serif font.The logo for Yuasa M&B, featuring a red stylized "Y" icon above the word "YUASA" in black, and "YUASA M&B" in blue to the right.

Official Distributor for Japan

Yuasa M&B appointed as the Japanese partner and distributor for Cold Electric's energy storage solutions.

High durability and optimized performance tailored specifically for **Japanese safety standards (JIS)**.

Osaka Press Conference, 2026

Our companies are working together to focus on the Japanese BESS market for commercial and industrial sectors, supporting Japan's transition toward a 10GW energy storage target by 2030.

Notable attendees included:

- **Governor of Osaka Prefecture, Hirofumi Yoshimura (吉村洋文)**
- **Mayor of Osaka City, Hideyuki Yokoyama (横山英幸)**
- **Director of the Taipei Economic and Cultural Office in Osaka, Ying-chieh Hung (洪英傑)**



BATTERY JAPAN 春 第20回 国際 二次電池展

20th Int'l Rechargeable Battery Expo March

出展社・製品検索サイト  注目製品TOP10

Most Viewed Products Top 10

1st

ユアサM&B(株)

YUASA M&B COLD ELECTRIC



COLD ELECTRIC [COLD OG]

4th

ユアサM&B(株)

YUASA M&B COLD ELECTRIC



COLD ELECTRIC [COLD OG2]

*2026 年 2 月 13 日時点のランキング集計データです。This ranking and product information are as of February 13, 2026.

Thank you

We are available to address any inquiries you may have.

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Disclaimer: Cold Electric has made this Slide Deck as comprehensive and accurate as possible on the basis of the existing information, but reserves the right to modify the data and parameters without further notice. Cold Electric reserves the right of final interpretation of this Slide Deck.