



Moli Energy is the first company in the world to commercialize Rechargeable Lithium Battery.

Momentum Leader Momentum Driver

MOME

Molybdenum Disulfide (MoS₂) (+) Cathode Material

MOLICEL

Cell-A single unit of device that converts chemical energy into electrical energy



Lithium (Li) (-) Anode Material

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Reporting Period

Molicel publishes ESG Report on an annual basis.

This Report covers the reporting period from January 1 to December 31, 2023, English version only.

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The scope of disclosure

E-One Moli Energy Corporation (Tainan Plant)
Molie Quantum Energy Corporation (Kaoshiung Plant)

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Molicel Official Website



ESG Section





1977	Molicel the brand founded
1998	E-One Moli Energy founded
2000	E-One Energy Corp. acquired NEC Moli Energy (Canada) Limited
2001	E-One Moli Energy Corp. obtained ISO 9001:2000 certification
2004	Cooperated with Japanese power tool maker to announce world's first power tool Li-ion battery pack Launched the first 18650 Li-ion cell for power tool application in the world
2005	Sole battery provider of CTO in Asia
2006	E-One Moli Energy Corp. obtained ISO 14001:2004 certification
2013	Cooperated with ITRI to successfully develop Taiwan's first made-in-Taiwan electric car
2016	Teamed up with ITRI Green Energy Department for 1MWh Solar Energy

Storage System

20	17	Power cell approved by leading cordless vacuum cleaner maker
201	18	Collaborated with Uber Elevate for eVTOL battery pack development Taiwan's first public tender for 1MWh ESS Long- jing Project for ITRI
201	19	1500kWh BESS system deployed in E-One Moli Energy Corp. (Taiwan)
202	20	 Collaborated with NHOA.TCC to obtain Taipower's first ESS Automatic Frequency Control (AFC) contract, and became the only facility that won the highest 5MW service capacity, as the same level as TESLA ▶ Selected by the British supercar brand McMurtry and limited to 130 units of production

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Collaborated with Williams Advanced Engineering to develop electrification of heavy-duty trucks

New generation 4.5Ah P45B launched, highest

- New generation 4.5Ah P45B launched, highest capacity in the high-power cell market, and full fast charging in 12 minutes
- ► Selected by the Croatian supercar brand Rimac Automobili and limited to 150 units of production

► Technically collaborated with McMurtry, and set a new all-time record at Goodwood, Festival of Speed, UK

- Selected by eVTOL manufacturer Vertical
 Aerospace to develop and supply V4 into
 service
- Partnering with KULR for battery safety and thermal management solutions
- Partner- McMurtry revealed Spéirling
 PURE for street legal version, using 21700
 series batteries
- ▶ INR-18650-P30B, the market-leading ultra-high power cells launched
- Partner- Archer Aviation's Midnight
 eVTOL receives FAA Special Airworthiness
 Certificate
- Molie Quantum Energy Corporation started mass production operations with an annual production capacity target of 1.8 GWh.
- Molicel and the PM of Canada jointly announced the construction of the world's largest high-performance ternary lithium battery cell factory in Vancouver. The factory aims to become the world's first facility utilizing 100% green electricity.

Sustainable Products

PRODUCT HIGHLIGHTS

21700 SERIES (ULTRA-HIGH POWER CELL)

HIGHLIGHTS HIGH DISCHARGE CURRENT AND CAPACITY

P42A *Compared with S companies' products	P45B *Compared with P42A	P50B *Compared with P45B
Capacity +5%	Capacity +7%	Capacity +11%
Discharge Current +40%	Discharge Current +60.7%	Discharge Current +85.1%
Same Impedance	Impedance -31.67%	Impedance -6.5%
Capacity: 4200mAh	Capacity: 4500mAh (+7%)	Capacity: 5000mAh (+11%)
Impedance: ~18mohm	Impedance: ~12.3mohm(-31.7%)	Impedance: ~11.5mohm(-6.5%)
Endure up to 500 charging cycles	Retain 73% of its capacity after 1,000 charging cycles	Retain 83% of its capacity after
Certified by third-party ISO 14067 verification (P42A)	DCR -22%	1,000 charging cycles
Applications: Electric vehicles, high-end home appliances	Capable of 3C charging rate	Applications: eVTOL, electric
	Applications: eVTOL, electric sports	aircraft, electric supercars

18650 SERIES (MEDIUM POWER CELL)

HIGHLIGHTS **ENERGY-SAVING AND SAFE**

*Compared with P28A

Capacity +5.4% Discharge Current +7.1% Impedance -42%

P30B

Capacity: 2950mAh(+5.4%)

Impedance: ~7mohm(-42%)

Charge current: 9A

Highlights: Energy Efficiency & Safety (Higher storage capacity, Faster charging, Reduced heat generation)

Applications: Electric vehicles, high-end home appliances



Note: As the Molie Quantum Energy Corporation officially started mass production in the second half of 2023, there is no complete annual data available. Therefore, some performance data only covers the E-One Moli Energy Corporation.

MOLCEL®

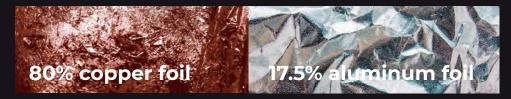
Sustainable Products

MOLICEL PRODUCTS' SUSTAINABLE FEATURES

The cathode material used in the product's raw materials contains recycled content, including



The product's base materials include recycled content, comprising



The recovery rate from waste electrode to black mass



The precursor recovery rate from waste slurry to black mass



The E-One Moli Energy Corp. has obtained the IATF 16949



Environment

E-ONE MOLI ENERGY CORP. (TAIWAN)



-1.43%



renewable energy usage

+8.4%



reduction in hazardous waste

-41%



+48%



reduction in water usage -19.4%

in wastewater generation -20.8%



of Energy storage system capacity (an increase of 42%)





thirdparty certified



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2023 ESG **Highlights** **Environment**

EU Battery Regulation Strategy | Product R&D and Innovation

Social Diversity and inclusion

Governance Corporate Co-prosperity

Climate Change Governance (TCFD)

Social

human rights advocacy coverage rate, with a 96% achievement rate for online statement reading



100% participation rate in the DEI inclusion program for foreign colleagues



27.5% females in management

(averaged between E-One Moli Energy Corp. and Molie Quantum Energy Corp.)

recruitment costs for migrant employees

of research and development personnel hold master's or doctoral degrees



certifications 156 certificati obtained by employees



saplings were planted plant variety: Breynia disticha)

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Governance

11%

of revenue invested in battery R&D

4]%

green procurement ratio

34%

local suppliers

8.68

customer satisfaction +7.86% compared to 2022 100%

Restriction of Hazardous Substances (RoHS) declaration



3 social engineering drills conducted with a non-compliance rate below the 5% standard set by the Executive Yuan

1.840 hours of information security training 831 hours of integrity and ethics training

average attendance of the Board of Directors

of employees signing the Statement of Integrity and Ethical Conduct

incidents of corruption or bribery

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Partners and Honors

1st electric off-road motorcycle to defeat traditional internal combustion engine motorcycles at the 2024 Arenacross Championship in the UK.

2nd place in the autonomous figure-eight loop and Best Technical Inspection Award at Czech Formula Student competition.

McMurtry's race car now reaches 190 mph and charges in just 20 minutes.

