

# ACDC

## Global X Battery Tech & Lithium ETF



Invest in the energy storage and production megatrend.

### Thematic Growth – Disruptive Technology

#### FUND DETAILS

ASX Code	ACDC
Bloomberg Code	ACDC AU EQUITY
IRESS Code	ACDC.AXW
Benchmark	Solactive Battery Value-Chain Index
Mgt. Fee (% p.a.)	0.69
Rebalance Frequency	Semi-Annually
Distribution Frequency	Annually
W-8 BEN Form Required	No

#### INTRODUCING ACDC

ACDC offers investors exposure to global companies developing electro-chemical storage technology and mining companies producing battery-grade lithium. ACDC aims to provide investors with a return that, before fees and expenses, tracks the performance of the Solactive Battery Value-Chain Index.

#### DID YOU KNOW?

- Almost 60% of lithium is mined for battery-related applications<sup>1</sup>.
- Australia has approval for a 2.4GWh energy storage facility which will be one of the biggest batteries in the world and capable of servicing up to 2,200,000 households for two hours, located at the Melbourne Renewable Energy Hub<sup>2</sup>.

#### WHAT IS BATTERY TECHNOLOGY?

A battery is a device consisting of one or more electro-chemical cells that can generate electrical energy from chemical reactions. Traditional batteries have a lead or alkaline base but lithium ion batteries have transformed the space. New electro-chemical technologies such as lithium, lead-carbon or flow batteries continue to be developed. Batteries are used to power a range of items, from personal consumer electronics like phones, to electric vehicles to industrial uses such as energy grid storage.

The value chain for battery technology ranges from mining companies, mining for metals like lithium, to manufacturers of battery storage and storage technology providers. All are potential beneficiaries of the anticipated growth in this industry.

#### THE FUTURE OF BATTERY TECHNOLOGY - A GROWING MARKET

Battery technology is central to the growth of renewable energy and electric vehicle usage.

- Wind and solar energy are forecast to supply around 65% of the world's electricity needs by 2050<sup>3</sup>.
- Electric vehicles collectively are expected to create an additional 5,640 terawatt-hours of power demand by 2050 (about 14% of global electricity consumption)<sup>3</sup>.

To support this growth, the battery market is anticipated to reach US\$400bn by 2025<sup>4</sup> and battery storage is poised to grow 15 fold by 2030<sup>5</sup>.

#### KEY FEATURES



Simple, efficient exposure to advances in battery technology and rising demand for lithium.



International coverage to capture the growth of the industry as a whole.

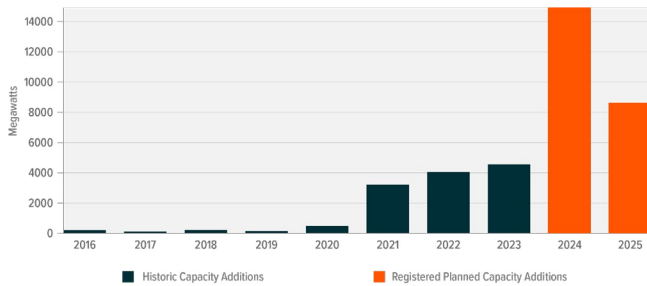


Exposure to the green shift of renewable energy generation and storage.



## HISTORIC AND PLANNED U.S. BATTERY STORAGE CAPACITY ADDITIONS

Source: Global X ETFs with information derived from: U.S. Energy Information Administration. (2023, November 27).



## HOW TO USE ACDC IN A PORTFOLIO

- ACDC can be used as a tactical tilt towards emerging technologies in the industrials and materials sector.
- As a thematic tilt towards megatrends, including the trend towards renewable energy and electric vehicles.

## HOW ACDC WORKS

- The index universe is selected from two databases: Clean Horizon's Energy Storage Source to select energy technology manufacturers and Fastmarkets' Metal Bulletin to identify mining companies classified as 'Battery Grade Lithium Producers'.
- To be included in the index, companies must have a primary listing on a major, developed market exchange, have a free float capitalisation of at least US\$200m and not be classified by FactSet as an 'Energy' company.
- The index universe includes an environmental, social and governance (ESG) screen that removes companies non-compliant with the UN Global Compact Principles; and companies producing revenue from Tobacco, Weapons, Small Arms, Coal, Conventional & Unconventional Oil & Gas, Gambling, Adult Entertainment, and Alcohol. Further details regarding the ESG exclusions are available at <https://www.solactive.com/>.
- Companies are weighted equally at each semi-annual rebalance in May and November.

For more information on Global X Battery Tech & Lithium ETF (ASX Code: ACDC), please speak to Global X ETFs.

## Client Services

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[1] <https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/battery-2030-resilient-sustainable-and-circular#/>

[2] <https://www.equis.com.au/renewable-energy-hub>

[3] <https://bnef.turtl.co/story/neo-2022/page/1>

[4] <https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/battery-2030-resilient-sustainable-and-circular>

[5] <https://about.bnef.com/blog/global-energy-storage-market-to-grow-15-fold-by-2030/>

[6] <https://www.irena.org/publications/2020/Apr/Global-Renew-ables-Outlook-2020>

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Information current as at 27 November 2023.