

# BATT Quarterly Commentary

## Staying Up-To-Date On Battery Technology And The Power Behind Clean Energy

U.S. equity markets declined for a third consecutive quarter, hitting a new bear market low on the quarter's final day, down 24.9% so far in 2022. Over the first three quarters of 2022, the S&P 500 cemented its third worst performance since the 1950s while the US Dollar Index (DXY) is having its strongest year on record. While major U.S. equity benchmarks were down between 8% and 11% in September, historically, September has been the worst performing month for U.S. equities. The relative outperformer was the Dow Jones Industrials (-8.8%), while the growth-heavy Nasdaq 100 (-10.5%) was the laggard. The S&P 500 (-9.2%) closed at its lowest level since November 2020.

Recession fears and central-bank tightening drove market volatility, along with continued rising oil and gas prices, new COVID-19 lockdowns in China and an ongoing Russia-Ukraine war. The ongoing Russia-Ukraine war continues to push Europe toward an energy crisis, and supply chain woes continue to be a concern in China and other Asian markets. Foreign central banks did their best to keep up with the Federal Reserve's rapid pace of rate hikes to defend their local currencies and restore price stability.

Non-U.S. markets also declined with the MSCI All Country World Index<sup>1</sup> returning -6.82% and the MSCI EM Index<sup>1</sup> falling 11.57%.

BATT has exposure to the critical metals used in the lithium-ion batteries that are utilized in electric vehicles (EVs). The ETF continued to be negatively impacted during Q3 by supply chain disruptions and soaring prices in the critical minerals needed for electric vehicles, caused by Russia's attack on Ukraine and continued Covid-19 lockdowns in parts of China. China's economic woes put a damper on companies producing electric vehicles and battery production.

BATT's primary contributors to performance were Tesla (18.17%), Rivian Automotive (27.86%) and Pilbara Minerals (86.17%). Click [here](#) for BATT's top 10 holdings.

Electric vehicle producers Tesla and Rivian both saw their shares rebound after being the ETFs bottom-performing holdings in the second quarter, when both companies raised prices to combat escalating material costs. For the third quarter, Tesla reported it delivered 343,830 vehicles to customers, up from about 255,000 in the prior quarter. Similarly, Rivian, which makes electric pickups and SUVs, reported it produced 7,363 units in the third quarter, a 67% jump from Q2, when it produced 4,401 trucks.

Pilbara Minerals shares rose as the company sought new deals with customers to secure future supplies of battery materials by jointly developing refineries. Additionally, the mining company is planning a major expansion in Western Australia in the next two years that will nearly double its output of lithium-bearing raw materials.

Primary detractors from performance for the period were China-based BYD Co. (-38.11%), Contemporary Amperex Technology Co. Ltd. (-29.19%) and XPeng Inc. (-62.35%). Click [here](#) for BATT's top 10 holdings.

China's BYD (short for Build Your Dreams) Company Limited is a low-cost provider of electric vehicles and the world's leader in producing low-cost electric batteries with its own battery and energy storage divisions, as well as a chip unit that gives it an edge on competitors. BYD was top performer in the ETF for the previous quarter. Yet, despite

<sup>1</sup> The MSCI ACWI captures large and mid-cap representation across 23 Developed Markets (DM) and 24 Emerging Markets (EM) countries. The MSCI Emerging Markets Index captures large and mid-cap representation across 24 Emerging Markets (EM) countries. Indexes are unmanaged and it is not possible to invest directly in an index.

# BATT

AMPLIFY LITHIUM & BATTERY  
TECHNOLOGY ETF

**BATT** is a portfolio of companies generating significant revenue from the development, production and use of lithium battery technology, including: 1) battery storage solutions, 2) battery metals & materials, and 3) electric vehicles. BATT seeks investment results that correspond generally to the EQM Lithium & Battery Technology Index.

### FUND FACTS

Ticker	BATT
CUSIP	032108805
Intraday NAV	BATT.IV
Benchmark	EQM Lithium & Battery Technology Index
Expense Ratio	0.59%
Inception Date	6/6/2018
Exchange	NYSE Arca

### INDEX DETAILS

Index Name	EQM Lithium & Battery Technology Index
Index Ticker	BATTIDX
Weighting	Modified Market-Cap
Rebalance	Quarterly
Website	<a href="http://eqmindexes.com">eqmindexes.com</a>

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continued rapid growth in sales and revenue, BYD's share price fell 18% after stock filings revealed that its most famous backer, Warren Buffett, sold down his stake in the car maker's shares held by his investment firm, Berkshire Hathaway.

Contemporary Amperex Technology Co. Ltd. is a China-based supplier of power battery systems to companies including Tesla and Ford. While for the first half of the year, profits jumped 82% year-over-year and revenue rose 156%, during the third quarter the company reported that gross profit margins at its EV battery segment declined 7.96 percentage points and share prices fell. The stock's decline could also be due to some profit-taking as it came after a rally.

Following suit, Chinese electric vehicle maker XPeng Inc. also saw its shares fall as it reported a drop in sales from second to third quarter.

Looking ahead, while electric car sales have remained strong so far in 2022, the environment for electric car makers is still challenging. Prices for lithium, a crucial mineral for car batteries, continue to rise and Russia's invasion of Ukraine has created further pressures since Russia supplies 20% of global battery-grade nickel. Governments in Europe and in the U.S. continue to promote industrial policies aimed at domestic development of EV supply chains, as more than half of all lithium, cobalt and graphite processing and refining capacity is in China.

## PERFORMANCE

Quarter End as of September 30, 2022

	Cumulative (%)					Annualized (%)		
	1 Mo.	3 Mo.	6 Mo.	YTD	Since Inception	1 Yr.	3 Yr.	Since Inception
Fund NAV	-12.73%	-12.06%	-25.79%	-28.58%	-31.50%	-24.19%	8.46%	-8.38%
Closing Price	-12.55%	-12.58%	-25.60%	-28.94%	-31.76%	-24.00%	8.15%	-8.46%
EQM Lithium & Battery Tech Index	-12.80%	-12.04%	-26.02%	-28.73%	N/A	-24.31%	N/A	N/A

*BATT's gross expense ratio is 0.59%. Fund inception date: (6/6/18). The performance data quoted represents past performance. Past performance does not guarantee future results. The investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than their original cost and current performance may be lower or higher than the performance quoted. For performance data current to the most recent month-end please call 855-267-3837 or visit [AmplifyETFs.com/BATT](https://AmplifyETFs.com/BATT). Brokerage commissions will reduce returns.*

**Carefully consider the Fund's investment objectives, risk factors, charges, and expenses before investing. This and additional information can be found in Amplify Funds statutory and summary prospectus, which may be obtained above or by calling 855-267-3837, or by visiting [AmplifyETFs.com](https://AmplifyETFs.com). Read the prospectus carefully before investing.**

Investing involves risk, including the possible loss of principal. Shares of any ETF are bought and sold at market price (not NAV), may trade at a discount or premium to NAV and are not individually redeemed from the Fund. The Fund is not actively managed. The Fund invests in securities included in its Index regardless of their investment merit. Narrowly focused investments typically exhibit higher volatility. A portfolio concentrated in a single industry, such as lithium battery technology, makes it vulnerable to factors affecting the companies.

The Fund may face more risks than if it were diversified broadly over numerous industries or sectors. The Fund has become more susceptible to potential operational risks through breaches in cybersecurity. The Fund invests in securities that are issued by and/or have exposure to, companies primarily involved in the metals and mining industry. Investments in metals and mining companies may be speculative and subject to greater price volatility than investments in

other types of companies. The exploration and development of metals involves significant financial risks over a significant period of time, which even a combination of careful evaluation, experience and knowledge may not eliminate. Rare earth metals have more specialized uses and are often more difficult to extract. The increased demand for these metals has strained supply, which could adversely affect the companies in the Fund's portfolio. Some of the companies in which the Fund will invest are engaged in other lines of business unrelated to the mining, refining and/or manufacturing of metals and these lines of business could adversely affect their operating results.

The Fund's assets are concentrated in the materials sector, which means the Fund will be more affected by the performance of the materials sector than a fund that is more diversified. The Fund currently has fewer assets than larger funds, and like other relatively new funds, large inflows and outflows may impact the Fund's market exposure for limited periods of time. The Fund will invest in the securities of non-U.S. companies. Investments in emerging market issuers are subject to a greater risk of loss than investments in issuers located or operating in more developed markets. The mining, refining and/or manufacturing of metals may be significantly affected by regulatory action and changes in governments. Small and/or mid-capitalization companies may be more vulnerable to adverse general market or economic developments. Electric vehicle technology is relatively new and is subject to risks associated with a developing industry.

The EQM Lithium & Battery Technology Index (BATTIDX) seeks to provide exposure to global companies associated the development and production of lithium battery technology and/or battery storage solutions; the exploration, production, development, processing, and/or recycling of the materials and metals used in lithium battery chemistries such as Lithium, Cobalt, Nickel, Manganese, Vanadium and/or Graphite; and/or the development and production of electric vehicles. The Index inception date is 5/1/2018, and the Fund began tracking the Index as of 10/13/2020. It is not possible to invest directly in an index.

Amplify Investments LLC is the Investment Adviser to the Fund, and Toroso Investments, LLC serves as the Investment Sub-Adviser.

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### QUESTIONS?

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