



GLOBAL X ETFs RESEARCH

The Next Big Theme: April 2023

The Next Big Theme

A Regular Pulse on
Disruptive Trends by Global X ETFs



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Topic: **Disruptive**
Technology, Physical
Environment, People &
Demographics



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Digital Health & Cybersecurity

FDA Prioritizes Safety in Medical Devices

The Food & Drug Administration (FDA) updated regulations and guidelines for medical device approval. Among the changes, medical device manufacturers must provide more documentation about cybersecurity measures implemented to safeguard devices and contingency plans for responding to potential vulnerabilities.¹ Also, the FDA has new patching protocols for medical devices and now requires a software bill of materials to document the components and libraries used in device software.² These updated guidelines apply to new applications submitted after March 29, 2023. Applications submitted prior to March 29 will continue to be governed by the previous guidelines until October 1, 2023.³

The FDA also released proposed changes to machine learning-enabled device software functions (ML-DSF) that would require manufacturers to provide detailed explanations of planned modifications, the methodology used to implement and validate such modifications, and an assessment of their potential impact within marketing submissions.⁴ These procedural changes may lead to slightly longer approval times for medical devices.

Electric Vehicles

Early 2023 Sales Surged

Global EV sales increased 23% month-over-month (MoM) in February 2023 with 800,000 units sold, up 45% from the same period last year.⁵ The main driver of the growth was China, which sold an additional 100,000 units.⁶ Through February, global sales of passenger cars (PC) and light-duty vehicles (LDV) totaled 1.4 million this year, with 1.0 million sales of battery electric vehicles (BEV) and 0.4 million sales of plug-in hybrid electric vehicles (PHEV).⁷

New Tax Credit Provisions Set

The U.S. Treasury Department issued further guidance on the EV tax credit provisions in the Inflation Reduction Act (IRA). To qualify for up to \$7,500 in EV tax credits, consumers must purchase a new, qualified plug-in EV or fuel cell electric vehicle (FCV) for their personal use and primarily use it in the United States.⁸ The Internal Revenue Service (IRS) will provide a list of eligible vehicles on April 18, 2023, when the new requirements take effect. Qualifying vehicles must be assembled in North America and source a certain percentage of battery components and critical materials domestically or from desired trading partners.⁹ EVs that meet only one of the requires are still eligible for a \$3,750 credit.¹⁰ Among EV manufacturers, Ford confirmed that its entire lineup of EVs, including the F-150 Lightning, Mustang Mach-E, and E-Transit commercial van, are eligible for the tax credit.



Artificial Intelligence & Social Media

Generative AI, Commercialized

Meta set a deadline of December 2023 to expand its use of generative AI through the in-house team that the company established in February.¹¹ Meta's chief technology officer, Andrew Bosworth, believes that AI can greatly enhance the effectiveness of advertisements.¹² By requesting AI to create ads that cater to specific audiences, companies should be able to save time and money. Advertising is a major source of revenue for Meta, and the company plans to apply the technology across its products and services, including Facebook and Instagram. Bosworth also expects generative AI to be used in the Metaverse, particularly for content creation. Amazon Web Services (AWS) plans to launch an accelerator to support the most promising startups in the field.¹³ This initiative is expected to drive innovation and serve as a catalyst for advancement in the industry.

Robotics & Internet of Things

Auto Industry Accelerated Robotics Adoption

The automotive industry leads all industries with approximately one million robots working in its factories worldwide, accounting for roughly one-third of all robots installed.¹⁴ Auto manufacturers continue to use traditional "caged" industrial robots for basic assembling, but most manufacturers are investing in collaborative applications for final assembly and finishing tasks. With the industry investing \$521 million in January 2023 and \$620 million in February, robotics funding is on an upward trend.¹⁵ Companies like Qualcomm are leading the charge with new platforms that feature machine vision capabilities. Qualcomm's RB1 and RB2 platforms are ideal for low-power, entry-level robotics and IoT applications.

Cloud Computing

Public Sector Reaches for the Cloud

Palantir expanded its strategic cloud computing partnership with Microsoft to include the public sector. The Palantir Federal Cloud Service (PFCS) received authorization from the Federal Risk and Authorization Management Program (FedRAMP) to support workloads at U.S. Department of Defense (DoD) Impact Level (IL) 4 and DOD IL5 on Microsoft Azure.¹⁶ This means that the two companies' strategic partnership, which was previously limited to the private sector, will now extend to the public sector. Customers and industry partners can now access the collaborative capabilities in both Microsoft Azure Government and Azure Commercial ecosystems, giving defense organizations a breadth of new solutions to meet critical needs. Also, Amazon Web Services announced plans to invest over \$13 billion in Australia over the next five years.¹⁷ As part of this investment, the company aims to power its data centers entirely on renewable energy and create nearly 11,000 full-time equivalent positions.¹⁸

Fintech

Fintech Funding Bounced Back

Fintech funding rebounded in Q1 2023 after declining for three consecutive quarters.¹⁹ Startups raised \$17 billion through 847 deals, up from \$11.7 billion in Q4 2022.²⁰ The deals appear to have been structured more carefully amid the challenging economic landscape.²¹ Among the themes attracting venture capital investment are regtech, fraud prevention, and generative AI. On the Buy Now, Pay Later (BNPL) front, Apple launched a pre-release version of Apple Pay Later to select users, with plans to make it more widely accessible in the coming months. With Apple Pay Later, users can apply for loans ranging from \$50 to \$1,000 that can be used for online and in-app purchases made on iPhone and iPad with merchants that accept Apple Pay.²² Like most BNPL platforms, users can split their purchases into four payments spread over six weeks, with no interest and no fees.

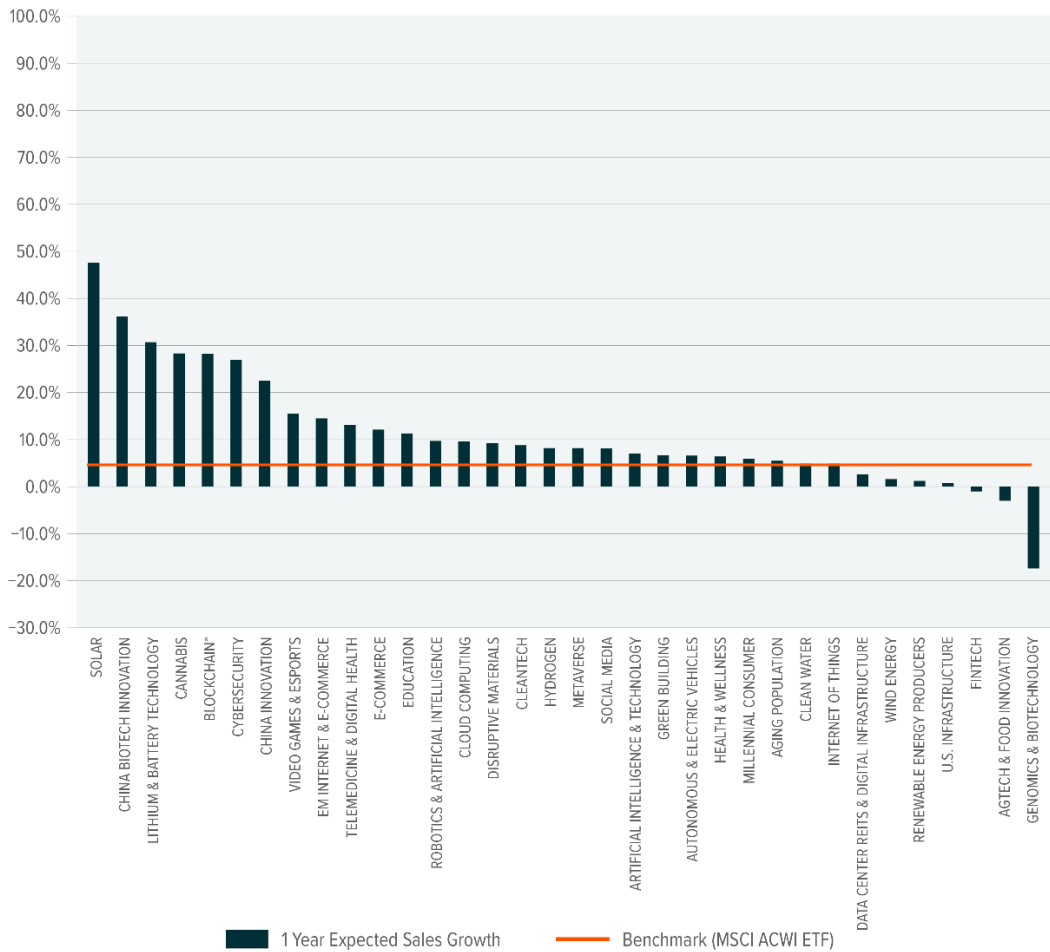


THE NUMBERS

The following charts examine returns and sales growth expectations by theme, based on their corresponding ETFs.

THEMATIC EXPECTED SALES GROWTH

Source: Bloomberg, March 31, 2023, Global X ETFs.

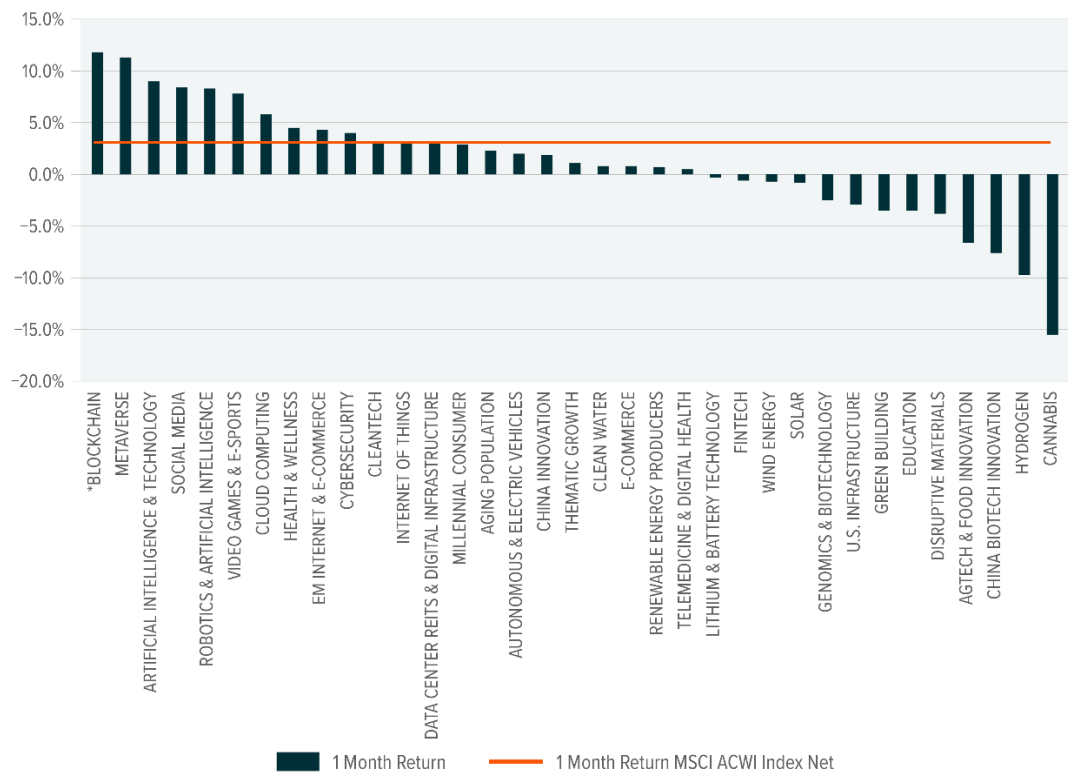


Note: Forward looking based on data and analysis from 3/31/2023.
1 year annualized forward sales growth is the consensus analyst expectations for total sales growth in the next 12 months.
*Blockchain reflects figures according to BKCH ETF



MARCH 2023 THEMATIC ETF RETURNS

Source: Bloomberg, March 31, 2023, Global X ETFs.



Note: The performance data quoted represents past performance and does not guarantee future results.
*Blockchain reflects figures according to BKCH ETF

Performance data quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investors' shares, when sold or redeemed, may be worth more or less than their original cost. Current performance may be higher or lower than the performance quoted. High short-term performance of the fund is unusual and investors should not expect such performance to be repeated. For performance data current to the most recent month end, please call 1-888-493-8631 or visit www.globalxetfs.com.

Standard Performance			Cumulative % Data as of month end (3/31/23)			Avg. Annualized % Data as of quarter end (3/31/23)				
	Expense Ratio		1 Month	3 Month	Since Inception	1 Year	3 Year	5 Year	10 Year	Since Inception
Robotics & Artificial Intelligence Inception Date 9/12/2016	0.69%	NAV	7.65%	22.83%	76.00%	-13.17%	11.73%	1.76%	-	9.01%
		Market Price	8.33%	24.09%	77.12%	-11.90%	12.15%	1.66%	-	9.12%
		Index	7.62%	23.00%	80.37%	-12.84%	12.34%	2.00%	-	9.42%
Fintech Inception Date 9/12/2016	0.68%	NAV	-0.62%	8.66%	46.24%	-34.96%	-3.12%	-1.14%	-	5.97%
		Market Price	-0.57%	8.16%	46.23%	-34.82%	-3.20%	-1.17%	-	5.97%
		Index	-0.64%	8.64%	51.35%	-34.89%	-2.75%	-0.65%	-	6.53%
Internet Of Things Inception Date 9/12/2016	0.68%	NAV	3.16%	14.60%	133.45%	0.60%	22.65%	11.64%	-	13.82%
		Market Price	3.16%	15.12%	133.46%	0.88%	22.74%	11.61%	-	13.82%
		Index	3.22%	14.70%	138.34%	0.84%	23.10%	11.97%	-	14.18%
Cloud Computing Inception Date 4/12/2019	0.68%	NAV	5.89%	14.34%	23.96%	-16.56%	8.45%	-	-	5.56%
		Market Price	5.82%	14.47%	24.52%	-16.55%	8.49%	-	-	5.68%
		Index	5.94%	14.51%	27.05%	-15.98%	9.13%	-	-	6.22%
Social Media Inception Date 11/14/2011	0.65%	NAV	8.61%	19.07%	154.94%	-13.29%	7.82%	1.44%	10.50%	8.57%
		Market Price	8.38%	19.35%	155.14%	-12.59%	7.92%	1.41%	10.55%	8.58%
		Index	8.67%	19.27%	170.50%	-12.43%	8.32%	2.00%	11.04%	9.13%
Artificial Intelligence & Technology Inception Date 5/11/2018	0.68%	NAV	9.07%	21.68%	67.41%	-8.79%	16.64%	-	-	11.11%
		Market Price	9.00%	22.34%	67.83%	-8.47%	16.89%	-	-	11.17%
		Index	9.13%	21.84%	70.66%	-8.41%	17.18%	-	-	11.55%



Autonomous & Electric Vehicles Inception Date 4/13/2018	0.68%	NAV	1.75%	19.04%	68.65%	-12.79%	29.63%	-	-	11.10%
		Market Price	1.97%	19.98%	68.79%	-12.46%	29.87%	-	-	11.11%
		Index	1.77%	19.09%	70.14%	-12.56%	30.05%	-	-	11.29%
Lithium and Battery Tech Inception Date 7/22/2010	0.75%	NAV	-0.84%	7.63%	141.85%	-17.27%	43.51%	15.50%	10.14%	7.20%
		Market Price	-0.33%	8.43%	142.56%	-16.65%	43.92%	15.43%	10.22%	7.23%
		Index	-0.82%	7.65%	156.71%	-16.87%	44.00%	15.66%	10.65%	7.71%
Genomics and Biotechnology Inception Date 4/5/2019	0.50%	NAV	-2.38%	-2.92%	-19.43%	-18.18%	-0.88%	-	-	-5.27%
		Market Price	-2.45%	-2.61%	-17.73%	-18.03%	-0.77%	-	-	-4.77%
		Index	-2.29%	-3.44%	-18.42%	-18.38%	-0.66%	-	-	-4.98%
Millennial Consumer Inception Date 5/4/2016	0.50%	NAV	3.25%	14.24%	105.10%	-17.73%	14.46%	8.72%	-	10.96%
		Market Price	2.91%	13.98%	103.73%	-17.92%	14.33%	8.63%	-	10.85%
		Index	3.27%	14.33%	111.76%	-17.42%	15.03%	9.25%	-	11.47%
Aging Population Inception Date 5/09/2016	0.50%	NAV	2.44%	2.40%	85.42%	-5.77%	10.49%	7.13%	-	9.37%
		Market Price	2.33%	2.29%	88.76%	-6.05%	10.40%	6.99%	-	9.65%
		Index	2.44%	2.45%	88.63%	-5.58%	10.73%	7.35%	-	9.64%
Health and Wellness Inception Date 5/9/2016	0.50%	NAV	4.65%	10.42%	65.23%	-1.67%	14.93%	6.78%	-	7.55%
		Market Price	4.54%	10.98%	65.50%	-1.52%	14.69%	6.46%	-	7.58%
		Index	4.66%	10.53%	69.78%	-1.33%	15.36%	7.14%	-	7.98%
E-Commerce Inception Date 11/27/2018	0.50%	NAV	0.84%	11.13%	22.49%	-18.49%	6.67%	-	-	4.78%
		Market Price	0.78%	11.37%	22.22%	-18.67%	6.52%	-	-	4.73%
		Index	0.90%	11.32%	24.86%	-18.12%	7.06%	-	-	5.25%
Us Infrastructure Development Inception Date 3/6/2017	0.47%	NAV	-2.95%	6.94%	96.29%	1.17%	32.59%	12.82%	-	11.75%
		Market Price	-2.88%	7.02%	96.36%	1.13%	32.61%	12.78%	-	11.76%
		Index	-2.92%	7.08%	102.44%	1.65%	33.34%	13.40%	-	12.32%
Cannabis Inception Date 9/17/2019	0.51%	NAV	-15.74%	-18.47%	-92.99%	-71.48%	-42.79%	-	-	-52.83%
		Market Price	-15.52%	-18.33%	-93.14%	-71.54%	-43.07%	-	-	-53.11%
		Index	-16.50%	-19.82%	-94.10%	-72.58%	-45.12%	-	-	-55.06%
Video Games & Esports Inception Date 10/25/2019	0.50%	NAV	7.23%	8.26%	38.09%	-19.14%	8.03%	-	-	9.86%
		Market Price	7.79%	8.48%	38.20%	-18.76%	7.95%	-	-	9.88%
		Index	7.34%	8.48%	40.39%	-18.77%	8.58%	-	-	10.39%
Cybersecurity Inception Date 10/25/2019	0.51%	NAV	3.72%	12.86%	58.23%	-24.34%	17.44%	-	-	14.30%
		Market Price	3.99%	13.01%	61.20%	-24.20%	17.58%	-	-	14.92%
		Index	3.77%	12.99%	60.61%	-23.88%	17.94%	-	-	14.80%
Thematic Growth Inception Date 10/25/2019	0.50%	NAV	1.56%	11.56%	4.81%	-30.49%	5.89%	-	-	1.38%
		Market Price	1.11%	11.91%	5.73%	-30.23%	6.05%	-	-	1.64%
		Index	1.56%	11.53%	3.90%	-30.63%	5.61%	-	-	1.12%
Education Inception Date 7/10/2020	0.50%	NAV	-3.97%	-4.55%	-53.72%	-12.91%	-	-	-	-24.64%
		Market Price	-3.52%	-4.36%	-53.65%	-12.67%	-	-	-	-24.60%
		Index	-3.91%	-4.41%	-53.05%	-12.32%	-	-	-	-24.24%
Telemedicine & Digital Health Inception Date 7/29/2020	0.68%	NAV	0.34%	0.94%	-22.56%	-18.91%	-	-	-	-9.13%
		Market Price	0.51%	1.21%	-23.02%	-19.39%	-	-	-	-9.33%
		Index	0.40%	0.68%	-21.71%	-18.81%	-	-	-	-8.75%
China Biotech Innovation Inception Date 9/22/2020	0.65%	NAV	-6.36%	-4.70%	-39.39%	-21.62%	-	-	-	-18.02%
		Market Price	-7.57%	-4.03%	-39.98%	-21.52%	-	-	-	-18.34%
		Index	-6.25%	-4.49%	-38.33%	-21.04%	-	-	-	-17.45%
Cleantech Inception Date 10/27/2020	0.50%	NAV	3.69%	8.91%	6.93%	-3.89%	-	-	-	2.80%
		Market Price	3.24%	8.97%	6.33%	-3.85%	-	-	-	2.56%
		Index	3.57%	9.11%	5.21%	-3.43%	-	-	-	2.12%
Data Center Reits & Digital Infrastructure Inception Date 10/27/2020	0.50%	NAV	3.22%	5.11%	-8.47%	-17.73%	-	-	-	-3.59%
		Market Price	3.06%	5.29%	-8.60%	-17.68%	-	-	-	-3.64%
		Index	3.18%	4.95%	-8.69%	-17.98%	-	-	-	-3.68%
Emerging Markets Internet & E-Commerce Inception Date 11/09/2020	0.65%	NAV	4.44%	6.59%	-48.41%	-2.67%	-	-	-	-24.20%
		Market Price	4.26%	8.91%	-48.00%	-0.89%	-	-	-	-23.95%
		Index	4.57%	6.85%	-47.68%	-1.47%	-	-	-	-23.75%
Renewable Energy Producers Inception Date 05/27/2015	0.66%	NAV	0.40%	-5.32%	7.33%	-22.50%	2.56%	3.91%	-	0.91%
		Market Price	0.73%	-5.56%	6.71%	-22.45%	2.13%	3.75%	-	0.83%
		Index	0.49%	-5.24%	10.57%	-21.89%	2.96%	4.33%	-	1.29%
China Innovation Inception Date 02/22/2021	0.75%	NAV	2.09%	3.68%	-49.13%	-11.74%	-	-	-	-27.50%
		Market Price	1.94%	4.31%	-49.53%	-10.82%	-	-	-	-27.77%
		Index	-	-	-	-	-	-	-	-
Clean Water Inception Date 04/08/2021	0.50%	NAV	0.83%	5.64%	-0.04%	-2.42%	-	-	-	-0.02%
		Market Price	0.83%	5.50%	-0.25%	-2.75%	-	-	-	-0.13%
		Index	0.90%	5.68%	0.56%	-2.16%	-	-	-	0.28%
Agtech and Food Innovation ETF Inception Date 07/12/2021	0.50%	NAV	-5.63%	2.24%	-41.67%	-25.94%	-	-	-	-26.94%
		Market Price	-6.64%	1.40%	-42.04%	-26.55%	-	-	-	-27.20%
		Index	-5.59%	2.31%	-41.29%	-25.61%	-	-	-	-26.66%
Hydrogen Inception Date 07/12/2021	0.50%	NAV	-9.44%	-0.18%	-56.32%	-42.56%	-	-	-	-38.26%
		Market Price	-9.74%	0.55%	-56.28%	-42.90%	-	-	-	-38.23%
		Index	-9.38%	-0.04%	-56.10%	-42.44%	-	-	-	-38.07%
Blockchain Inception Date 07/12/2021	0.50%	NAV	10.33%	72.52%	-76.78%	-67.99%	-	-	-	-57.26%
		Market Price	11.75%	72.75%	-76.63%	-67.81%	-	-	-	-57.10%
		Index	10.15%	71.36%	-77.42%	-68.73%	-	-	-	-57.95%
Solar Inception Date 09/08/2021	0.51%	NAV	-1.23%	1.96%	-13.95%	-2.48%	-	-	-	-9.19%
		Market Price	-0.76%	2.26%	-13.83%	-2.16%	-	-	-	-9.11%
		Index	-1.23%	2.17%	-13.16%	-1.87%	-	-	-	-8.65%
Wind Energy Inception Date 09/08/2021	0.50%	NAV	-0.80%	-2.89%	-29.09%	-18.34%	-	-	-	-19.79%
		Market Price	-0.74%	-3.02%	-29.50%	-18.47%	-	-	-	-20.09%
		Index	-0.77%	-2.78%	-28.56%	-17.96%	-	-	-	-19.41%



Disruptive Materials Inception Date 01/24/22	0.59%	NAV	-3.58%	-1.22%	-16.78%	-26.03%	-	-	-	-14.40%
		Market Price	-3.81%	-0.26%	-16.52%	-26.29%	-	-	-	-14.18%
		Index	-3.54%	-1.09%	-16.30%	-25.67%	-	-	-	-13.99%
Green Building Inception Date 04/11/22	0.45%	NAV	-3.57%	0.39%	-16.75%	-	-	-	-	-
		Market Price	-3.48%	0.74%	-16.83%	-	-	-	-	-
		Index	-3.50%	0.51%	-16.75%	-	-	-	-	-
Metaverse Inception Date 04/26/22	0.50%	NAV	11.02%	23.63%	-3.08%	-	-	-	-	-
		Market Price	11.26%	24.09%	-3.26%	-	-	-	-	-
		Index	11.11%	23.85%	-2.71%	-	-	-	-	-

P/S AND EV/S

Source: Bloomberg, data is as of 3/31/23 and 2/28/23, Global X ETFs.

Ticker	Name	P/S		EV/S	
		3/31/23	2/28/23	3/31/23	2/28/23
GNOM	Global X Genomics & Biotechnology ETF	6.29	6.43	5.76	6.48
BUG	Global X Cybersecurity ETF	5.76	5.60	5.51	5.51
CHB	Global X China Biotech Innovation ETF	4.89	5.15	4.34	4.70
HYDR	Global X Hydrogen ETF	4.87	5.39	4.11	4.48
VR	Global X Metaverse ETF	4.53	4.07	4.38	3.90
BOTZ	Global X Robotics & Artificial Intelligence ETF	4.10	3.92	4.15	3.87
CLOU	Global X Cloud Computing ETF	4.07	3.85	4.31	4.09
AGNG	Global X Aging Population ETF	3.73	3.66	4.41	4.34
VPN	Global X Data Center REITs & Digital Infrastructure ETF	3.71	3.58	6.48	5.24
HERO	Global X Video Games & Esports ETF	3.31	3.06	3.27	3.03
SOCL	Global X Social Media ETF	3.25	3.00	3.03	2.80
FINX	Global X FinTech ETF	3.15	3.00	3.43	3.68
AIQ	Global X Artificial Intelligence & Technology ETF	3.14	2.88	3.18	2.92
EDOC	Global X Telemedicine & Digital Health ETF	2.92	2.88	2.97	2.92
SNSR	Global X Internet of Things ETF	2.77	2.72	3.00	2.99
EWEB	Global X Emerging Markets Internet & E-commerce ETF	2.57	2.27	2.41	2.09
RAYS	Global X Solar ETF	2.52	2.27	3.07	2.77
RNRG	Global X Renewable Energy Producers ETF	2.46	2.42	4.42	4.45
KEJI	Global X China Innovation ETF	2.45	2.51	1.95	1.92
AQWA	Global X Clean Water ETF	2.42	2.30	3.31	3.15
SPX	S&P 500 Index	2.34	2.26	2.64	2.53
BKCH	Global X Blockchain ETF	2.32	1.90	3.13	2.48
GRNR	Global X Green Building ETF	2.25	1.76	4.02	3.12
MILN	Global X Millennial Consumer ETF	2.00	1.95	2.28	2.24
WNDY	Global X Wind Energy ETF	1.90	1.86	3.09	3.17
LIT	Global X Lithium and Battery Tech ETF	1.86	2.02	1.92	2.06
ACWI	MSCI ACWI Index	1.79	1.75	2.06	1.99
POTX	Global X Cannabis ETF	1.78	1.92	2.06	2.14
EDUT	Global X Education ETF	1.72	1.79	1.78	1.86
DMAT	Global X Disruptive Materials ETF	1.52	1.59	1.75	1.80
PAVE	Global X U.S. Infrastructure ETF	1.40	1.44	1.68	1.72
BFIT	Global X Health & Wellness ETF	1.31	1.27	1.47	1.46
CTEC	Global X Cleantech ETF	1.25	1.34	1.58	1.64
KROP	Global X AgTech & Food Innovation ETF	1.19	1.24	1.46	1.60
EBIZ	Global X E-commerce ETF	1.09	1.06	0.93	1.14
DRIV	Global X Autonomous & Electric Vehicles ETF	0.95	0.94	1.05	1.03

Note: P/S and EV/S refer to price-to-sales and enterprise value-to-sales, respectively.



F12M SALES GROWTH, PSG, AND EVSG

Source: Bloomberg, data is as of 3/31/23 and 2/28/23, Global X ETFs.

Ticker	Name	F12M Sales (%)		PSG		EVSG	
		3/31/23	2/28/23	3/31/23	2/28/23	3/31/23	2/28/23
RAYX	Global X Solar ETF	47.6%	46.5%	0.05	0.05	0.06	0.06
CHB	Global X China Biotech Innovation ETF	36.2%	35.5%	0.13	0.15	0.12	0.13
LIT	Global X Lithium and Battery Tech ETF	30.7%	36.6%	0.06	0.06	0.06	0.06
POTX	Global X Cannabis ETF	28.3%	27.5%	0.06	0.07	0.07	0.08
BKCH	Global X Blockchain ETF	28.2%	24.2%	0.08	0.08	0.11	0.10
BUG	Global X Cybersecurity ETF	26.9%	27.4%	0.21	0.20	0.20	0.20
KEJI	Global X China Innovation ETF	22.5%	24.7%	0.11	0.10	0.09	0.08
HERO	Global X Video Games & Esports ETF	15.5%	14.5%	0.21	0.21	0.21	0.21
EWEB	Global X Emerging Markets Internet & E-commerce ETF	14.5%	12.8%	0.18	0.18	0.17	0.16
EDOC	Global X Telemedicine & Digital Health ETF	13.1%	12.6%	0.22	0.23	0.23	0.23
EBIZ	Global X E-commerce ETF	12.1%	11.1%	0.09	0.10	0.08	0.10
EDUT	Global X Education ETF	11.3%	11.0%	0.15	0.16	0.16	0.17
BOTZ	Global X Robotics & Artificial Intelligence ETF	9.7%	7.7%	0.42	0.51	0.43	0.50
CLOU	Global X Cloud Computing ETF	9.6%	8.7%	0.43	0.44	0.45	0.47
DMAT	Global X Disruptive Materials ETF	9.3%	8.7%	0.16	0.18	0.19	0.21
CTEC	Global X Cleantech ETF	8.8%	7.3%	0.14	0.18	0.18	0.22
HYDR	Global X Hydrogen ETF	8.2%	9.1%	0.60	0.59	0.50	0.49
VR	Global X Metaverse ETF	8.2%	6.9%	0.56	0.59	0.54	0.57
SOCL	Global X Social Media ETF	8.1%	6.1%	0.40	0.49	0.37	0.46
AIQ	Global X Artificial Intelligence & Technology ETF	7.0%	6.1%	0.45	0.47	0.46	0.48
GRNR	Global X Green Building ETF	6.7%	5.5%	0.34	0.32	0.60	0.56
DRIV	Global X Autonomous & Electric Vehicles ETF	6.6%	5.5%	0.14	0.17	0.16	0.19
BFIT	Global X Health & Wellness ETF	6.4%	6.5%	0.21	0.19	0.23	0.22
MILN	Global X Millennial Consumer ETF	5.9%	5.8%	0.34	0.34	0.38	0.39
AGNG	Global X Aging Population ETF	5.5%	4.2%	0.68	0.88	0.80	1.04
AQWA	Global X Clean Water ETF	4.9%	3.9%	0.49	0.58	0.68	0.80
SNSR	Global X Internet of Things ETF	4.9%	4.8%	0.57	0.56	0.62	0.62
SPX	S&P 500 Index	4.6%	5.2%	0.51	0.43	0.57	0.48
ACWI	MSCI ACWI Index	3.9%	3.8%	0.45	0.47	0.52	0.53
VPN	Global X Data Center REITs & Digital Infrastructure ETF	2.6%	2.9%	1.45	1.24	2.54	1.81
WNDY	Global X Wind Energy ETF	1.6%	-1.2%	1.19	-1.55	1.93	-2.64
RNRG	Global X Renewable Energy Producers ETF	1.2%	-0.7%	2.01	-3.48	3.62	-6.41
PAVE	Global X U.S. Infrastructure Development ETF	0.8%	-0.7%	1.67	-2.16	2.00	-2.57
FINX	Global X FinTech ETF	-1.0%	-0.2%	-3.03	-17.59	-3.30	-21.54
KROP	Global X AgTech & Food Innovation ETF	-3.0%	-1.3%	-0.40	-0.94	-0.48	-1.21
GNOM	Global X Genomics & Biotechnology ETF	-17.4%	-18.5%	-0.36	-0.35	-0.33	-0.35

Note: F12 Sales Growth refers to the consensus analyst expectations for total sales growth in the next 12 months.

*Please note that month-over-month variations in F12M Sales may be the result of Bloomberg coverage and estimates of underlying securities.

PSG and EVSG refer to Price-to-Sales over F12 Sales Growth and Enterprise Value over F12 Sales Growth, respectively. N/A's reflect a negative growth number in the denominator and similar to traditional PEG ratios aren't typically displayed as such (hence the N/A).

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- **Multi-Theme:** [Thematic Growth ETF \(GXTG\)](#), [China Innovation ETF \(KEJI\)](#)

Footnotes

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