

**GLOBAL X ETFs RESEARCH**

The Next Big Theme: July 2022

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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Electric Vehicles

Up-and-coming Players Make Their Mark, Battery Tech Remains a Focus

Electric vehicle (EV) sales continue to surge, with companies topping historical sales. Recent figures show Chinese vehicle manufacturer BYD sold more combined electric vehicles and plug-in hybrid electric vehicles (PHEVs) than Tesla in the first half of 2022. BYD sold 641,000 of these new energy vehicles, a 315% increase over the same period last year.¹ Comparatively, Tesla sold nearly 565,000 vehicles in the first half.² However, June marked Tesla's highest vehicle production in any month in its history.³ BYD and Tesla's associations do not end there, as BYD announced that it would supply Tesla with batteries soon, potentially even later this year. On the topic of battery technology, Chinese EV automaker NIO recently held its second annual Power Day event. The company unveiled new charging technology featuring 500kW fast chargers in Europe and China by the end of 2022.⁴

Metaverse

Tech Giants Making Rapid Progress on Immersive Software and Hardware

Early players in the metaverse such as Meta Platforms, Apple, and Tencent reported notable advancements in the past month. On the software side, Meta launched a digital wallet service called Meta Pay. The service is essentially a rebrand of Facebook Pay, in that it has the same functionalities, though altered to be a universal payment method for goods and services using digital identities. Also, Meta Pay is expected to allow consumers to validate proof of ownership. On the hardware side, Apple's long-rumored mixed reality headset may have an M2 processor and 16GM of RAM.⁵ Also, Tencent announced the creation of its extended reality unit. This division will specifically focus on spearheading all of the company's metaverse-driven moves.

Lithium

Demand Outpaces Supply

Boosted by rapid demand growth, lithium-focused companies around the world increased expenditures by 50% to record highs in 2021.⁶ The spending uptick can be attributed largely to exploration spending meant to help diversify future sources of lithium supply. Global investment is expected to remain strong throughout



2022. At the company level, leading lithium miner Albemarle Corp. revealed plans to build a processing plant in the United States with a production capacity of 100,000 tonnes, equivalent to the company's entire current output.⁷ This plant represents a massive bet on the future of lithium demand and an all-electric future. With consistently increasing demand, miners are also continuing to adopt sustainable mining practices. Livent Corp. published its 2021 Sustainability Report, which among other ambitions, detailed the company's progress towards achieving carbon neutrality by 2040.⁸

Genomics

Top Biotech Firms Close to Approvals

Long-awaited approvals for innovative gene therapies are expected this year. Alnylam, a biopharmaceutical company focused on RNA therapy for genetic diseases, received Food and Drug Administration (FDA) approval for its next-gen Amyloidosis drug called AMVUTTRA (Vutrisiran). Following its public release, targeted for early July, the drug could reach peak sales nearing \$1.8 billion by 2026.⁹ BioMarin, which specializes in rare genetic diseases, has a hemophilia gene therapy nearing approval in Europe. The European Medicines Agency recently granted conditional approval for Biomarin's Roctavian. Final decision for approval from the European Union is expected in Q3 2022.¹⁰

Robotics & Artificial Intelligence

Industrial Robot Demand Bounces Back

In a recent report published by the International Federation of Robotics, industrial robots reported record preliminary sales in 2021 with 486,800 units shipped globally, a 27% increase from 2020.¹¹ The largest leap in demand occurred in the Asia/Australia region, where installations were up 33% to 354,500 units.¹² Demand in the Americas increased 27% with 49,900 units installed.¹³ And in Europe, demand grew 15% with 78,000 units installed.¹⁴ By industry, the strongest demand was in electronics and automotive with 132,000 and 109,000 installations, respectively.¹⁵ Also making industrial robot news was Amazon. The company introduced Proteus, its first fully autonomous mobile robot. Proteus can move large carts through warehouses and importantly, safely navigate around human workers, a testament to advancements in navigation technology. Amazon has other robotic developments in the works, such as Cardinal, a robotic arm that can transport up to 50-pound packages.¹⁶ Amazon hopes to deploy Cardinal next year-- these systems could play a crucial role in reducing costs and improving productivity, adding up to a consequential positive long-term impact on earnings.

Internet of Things

Signs that Chip Shortages May Start to Ease

Global semiconductor equipment billings grew 5% during Q1 2022.¹⁷ At \$24.7 billion, this growth supports positive forecasts in the industry and rising capacity.¹⁸ North America and Europe led the way in quarter-over-quarter jumps in equipment spending with both regions making domestic chipmaking a priority. Positive for manufacturers is that delivery times for semiconductors decreased by a day last month -- as the semiconductor industry makes progress to overcome its pandemic-induced challenges.¹⁹ Also, the gap between when a semiconductor is ordered and when it is delivered fell slightly from an average of 27.1 weeks in May to 27 weeks in June.²⁰

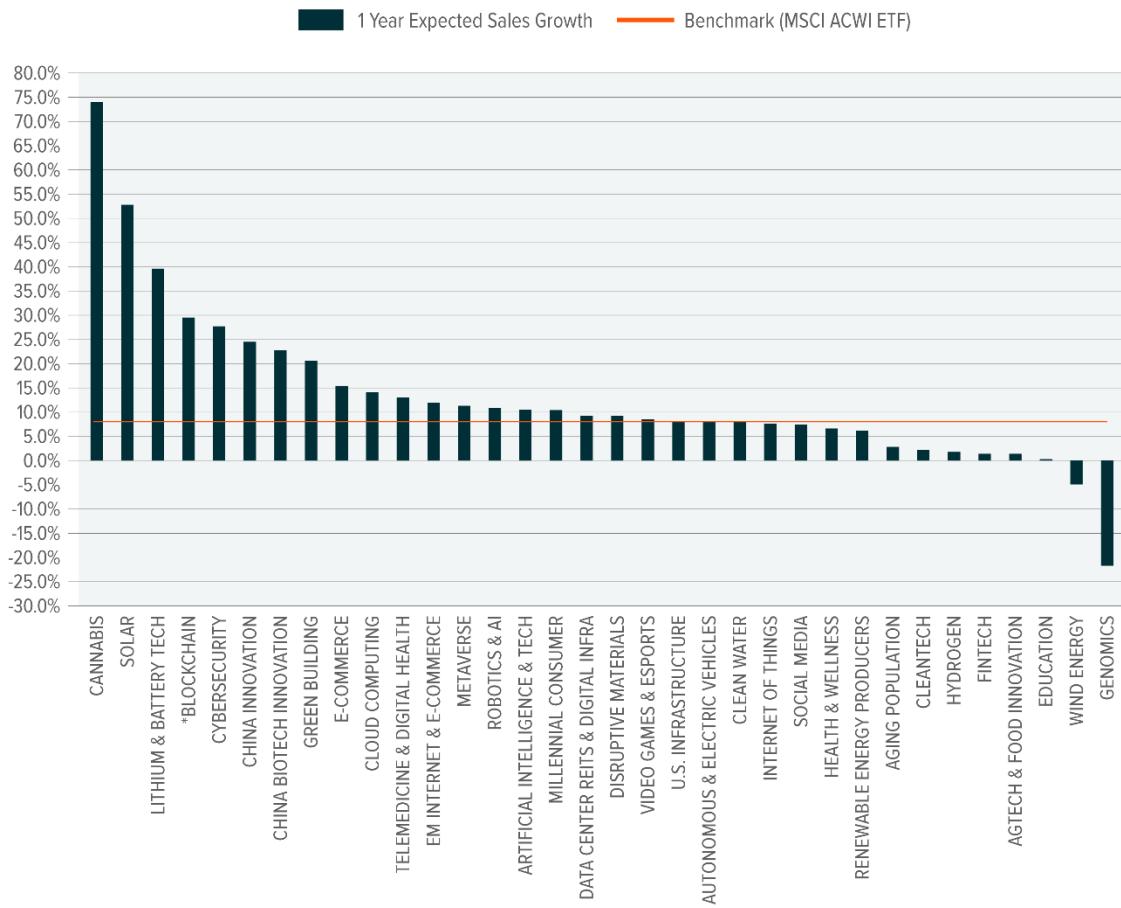


THE NUMBERS

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

THEMATIC SALES GROWTH

Source: Bloomberg, June 30, 2022, Global X ETFs.



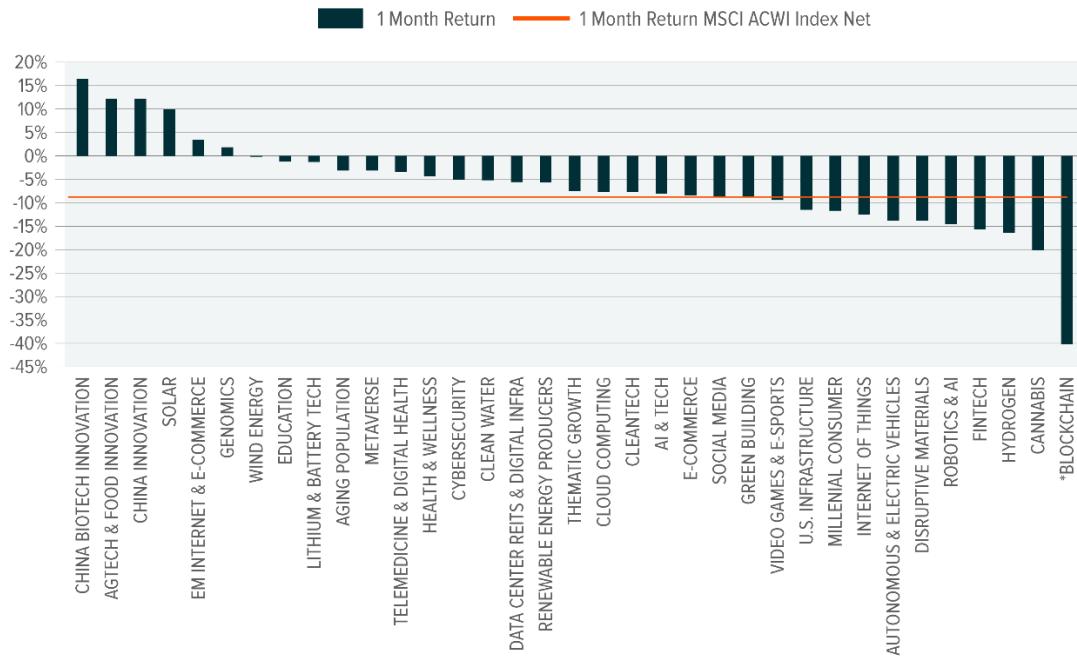
Note: Forward looking based on data and analysis from 6/30/2022.

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



JUNE 2022 THEMATIC ETF RETURNS

Source: Bloomberg, June 30, 2022, 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 (06/30/22)				Avg. Annualized % Data as of quarter end (06/30/22)				
	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	0.68%	NAV	-14.60%	-30.30%	41.27%	-41.69%	-0.33%	2.41%	-	6.14%	
		Market Price	-14.61%	-29.80%	41.14%	-41.73%	-0.43%	2.33%	-	6.12%	
		Index	-14.58%	-30.27%	44.30%	-41.17%	0.34%	2.78%	-	6.53%	
Fintech Inception Date 9/12/2016	0.68%	NAV	-15.64%	-33.44%	49.67%	-52.84%	-8.61%	4.20%	-	7.20%	
		Market Price	-15.71%	-33.32%	49.59%	-52.82%	-8.66%	4.11%	-	7.19%	
		Index	-15.65%	-33.41%	54.79%	-52.71%	-8.12%	4.82%	-	7.82%	
Internet Of Things Inception Date 9/12/2016	0.68%	NAV	-12.36%	-22.58%	79.67%	-27.50%	9.73%	8.68%	-	10.63%	
		Market Price	-12.47%	-22.52%	79.32%	-27.49%	9.68%	8.54%	-	10.59%	
		Index	-12.31%	-22.54%	83.07%	-27.25%	10.10%	9.04%	-	10.99%	
Cloud Computing Inception Date 4/12/2019	0.68%	NAV	-7.57%	-24.98%	11.46%	-41.24%	1.93%	-	-	3.43%	
		Market Price	-7.67%	-25.01%	11.90%	-41.24%	1.93%	-	-	3.55%	
		Index	-7.55%	-24.80%	13.70%	-40.83%	2.58%	-	-	4.07%	
Social Media Inception Date 11/14/2011	0.65%	NAV	-9.00%	-22.23%	128.66%	-54.09%	1.03%	3.66%	9.54%	8.09%	
		Market Price	-8.60%	-21.68%	128.59%	-54.04%	1.08%	3.62%	9.56%	8.09%	
		Index	-8.94%	-21.80%	141.57%	-53.98%	1.53%	4.18%	10.06%	8.65%	
Artificial Intelligence & Technology Inception Date 5/11/2018	0.68%	NAV	-8.19%	-22.73%	41.84%	-31.49%	9.07%	-	-	8.81%	
		Market Price	-8.12%	-22.71%	41.70%	-31.53%	9.06%	-	-	8.78%	
		Index	-8.14%	-22.65%	44.14%	-31.14%	9.57%	-	-	9.23%	



Standard Performance			Cumulative % Data as of month end (06/30/22)				Avg. Annualized % Data as of quarter end (06/30/22)				
	Expense Ratio		1 Month	3 Month	Since Inception	1 Year	3 Year	5 Year	10 Year	Since Inception	
Autonomous & Electric Vehicles Inception Date 4/13/2018	0.68%	NAV	-13.49%	-21.94%	50.96%	-23.60%	17.84%	-	-	10.26%	
		Market Price	-13.76%	-21.71%	50.96%	-23.68%	17.81%	-	-	10.26%	
		Index	-13.46%	-21.82%	52.12%	-23.34%	18.16%	-	-	10.46%	
Lithium and Battery Tech Inception Date 7/22/2010	0.75%	NAV	-2.22%	-6.17%	174.33%	0.01%	41.64%	22.25%	10.88%	8.81%	
		Market Price	-1.26%	-5.58%	174.78%	0.48%	41.64%	22.24%	10.91%	8.83%	
		Index	-2.24%	-6.07%	190.04%	0.71%	41.92%	22.41%	11.31%	9.32%	
Genomics and Biotechnology Inception Date 4/5/2019	0.50%	NAV	2.25%	-18.44%	-19.70%	-50.71%	-6.74%	-	-	-6.55%	
		Market Price	1.83%	-18.70%	-18.40%	-50.89%	-6.80%	-	-	-6.09%	
		Index	2.21%	-18.37%	-18.41%	-50.51%	-6.28%	-	-	-6.09%	
Millennial Consumer Inception Date 5/4/2016	0.50%	NAV	-11.66%	-28.35%	78.63%	-39.68%	1.94%	8.59%	-	9.88%	
		Market Price	-11.68%	-28.43%	77.63%	-39.88%	1.85%	8.53%	-	9.78%	
		Index	-11.64%	-28.30%	83.86%	-39.42%	2.46%	9.15%	-	10.39%	
Aging Population Inception Date 5/09/2016	0.50%	NAV	-3.04%	-11.63%	73.89%	-16.41%	6.56%	7.15%	-	9.42%	
		Market Price	-3.07%	-11.39%	78.04%	-16.31%	6.66%	6.97%	-	9.84%	
		Index	-3.03%	-11.61%	76.60%	-16.35%	6.76%	7.37%	-	9.70%	
Health and Wellness Inception Date 5/9/2016	0.50%	NAV	-4.70%	-14.61%	43.48%	-32.66%	1.81%	6.21%	-	6.05%	
		Market Price	-4.25%	-13.73%	44.99%	-32.32%	1.79%	6.15%	-	6.23%	
		Index	-4.67%	-14.51%	47.10%	-32.45%	2.19%	6.60%	-	6.48%	
E-Commerce Inception Date 11/27/2018	0.50%	NAV	-8.44%	-24.25%	13.84%	-50.77%	-2.21%	-	-	3.68%	
		Market Price	-8.41%	-24.43%	13.57%	-50.93%	-2.34%	-	-	3.61%	
		Index	-8.42%	-24.19%	15.61%	-50.62%	-1.82%	-	-	4.12%	
Us Infrastructure Development Inception Date 3/6/2017	0.47%	NAV	-11.54%	-19.21%	56.75%	-10.96%	12.27%	10.03%	-	8.81%	
		Market Price	-11.53%	-19.20%	56.89%	-10.95%	12.32%	10.03%	-	8.83%	
		Index	-11.52%	-19.12%	61.08%	-10.44%	12.88%	10.60%	-	9.37%	
Cannabis Inception Date 9/17/2019	0.50%	NAV	-21.92%	-50.97%	-87.95%	-80.09%	-	-	-	-53.21%	
		Market Price	-20.07%	-50.23%	-88.00%	-79.76%	-	-	-	-53.27%	
		Index	-22.33%	-51.49%	-89.55%	-80.73%	-	-	-	-55.44%	
Video Games & Esports Inception Date 10/25/2019	0.50%	NAV	-9.74%	-16.70%	42.27%	-34.71%	-	-	-	14.05%	
		Market Price	-9.40%	-16.51%	42.03%	-34.69%	-	-	-	13.98%	
		Index	-9.72%	-16.64%	44.07%	-34.44%	-	-	-	14.58%	
Cybersecurity Inception Date 10/25/2019	0.50%	NAV	-5.12%	-20.48%	66.30%	-12.59%	-	-	-	20.88%	
		Market Price	-5.09%	-20.43%	69.22%	-12.72%	-	-	-	21.67%	
		Index	-5.09%	-20.39%	67.97%	-12.43%	-	-	-	21.33%	
Thematic Growth Inception Date 10/25/2019	0.50%	NAV	-7.51%	-21.64%	18.14%	-43.01%	-	-	-	6.41%	
		Market Price	-7.45%	-21.68%	18.69%	-43.28%	-	-	-	6.60%	
		Index	-7.57%	-21.79%	17.15%	-43.29%	-	-	-	6.08%	
Education Inception Date 7/10/2020	0.50%	NAV	-1.99%	-19.84%	-57.40%	-54.56%	-	-	-	-35.12%	
		Market Price	-1.23%	-19.61%	-57.33%	-54.46%	-	-	-	-35.07%	
		Index	-1.82%	-19.59%	-56.94%	-54.28%	-	-	-	-34.76%	
Telemedicine & Digital Health Inception Date 7/29/2020	0.68%	NAV	-3.27%	-20.63%	-24.20%	-40.18%	-	-	-	-13.44%	
		Market Price	-3.44%	-20.77%	-24.33%	-40.31%	-	-	-	-13.51%	
		Index	-3.26%	-20.55%	-23.38%	-39.91%	-	-	-	-12.95%	
China Biotech Innovation Inception Date 9/22/2020	0.65%	NAV	14.29%	-4.03%	-25.78%	-40.07%	-	-	-	-15.50%	
		Market Price	16.43%	-1.73%	-24.85%	-39.61%	-	-	-	-14.90%	
		Index	14.38%	-3.77%	-24.84%	-39.62%	-	-	-	-14.90%	
Cleantech Inception Date 10/27/2020	0.50%	NAV	-8.10%	-18.56%	-9.39%	-34.21%	-	-	-	-5.72%	
		Market Price	-7.71%	-17.83%	-9.12%	-34.30%	-	-	-	-5.55%	
		Index	-8.06%	-18.49%	-11.20%	-34.16%	-	-	-	-6.85%	
Data Center Reits & Digital Infrastructure Inception Date 10/27/2020	0.50%	NAV	-5.26%	-9.14%	1.08%	-12.58%	-	-	-	0.65%	
		Market Price	-5.63%	-9.03%	1.00%	-12.90%	-	-	-	0.60%	
		Index	-5.30%	-9.15%	1.13%	-12.51%	-	-	-	0.67%	
Emerging Markets Internet & E-Commerce Inception Date 11/09/2020	0.65%	NAV	2.52%	-2.84%	-48.50%	-51.27%	-	-	-	-33.30%	
		Market Price	3.37%	-2.36%	-48.77%	-51.40%	-	-	-	-33.52%	
		Index	2.52%	-2.31%	-48.12%	-51.10%	-	-	-	-33.01%	
Renewable Energy Producers Inception Date 05/27/2015	0.65%	NAV	-6.15%	-12.45%	21.25%	-12.00%	4.01%	6.41%	-	2.75%	
		Market Price	-5.70%	-11.77%	21.40%	-11.87%	3.97%	6.39%	-	2.77%	
		Index	-6.21%	-12.37%	24.05%	-12.03%	4.28%	6.81%	-	3.08%	
China Innovation Inception Date 02/22/2021	0.75%	NAV	10.59%	4.68%	-39.66%	-33.05%	-	-	-	-31.21%	
		Market Price	12.19%	7.59%	-39.10%	-32.25%	-	-	-	-30.73%	
		Index	7.82%	2.90%	-31.29%	-25.48%	-	-	-	-24.26%	
Clean Water Inception Date 04/08/2021	0.50%	NAV	-5.87%	-13.41%	-11.30%	-15.78%	-	-	-	-9.31%	
		Market Price	-5.23%	-13.13%	-10.89%	-15.56%	-	-	-	-8.97%	
		Index	-5.84%	-13.38%	-10.97%	-15.54%	-	-	-	-9.03%	



Standard Performance			Cumulative % Data as of month end (06/30/22)			Avg. Annualized % Data as of quarter end (06/30/22)				
	Expense Ratio		1 Month	3 Month	Since Inception	1 Year	3 Year	5 Year	10 Year	Since Inception
Agtech and Food Innovation ETF Inception Date 07/12/2021	0.50%	NAV	-12.39%	-20.39%	-37.31%	-	-	-	-	-
		Market Price	12.24%	-20.15%	-36.99%	-	-	-	-	-
		Index	-12.37%	-20.28%	-37.08%	-	-	-	-	-
Hydrogen Inception Date 07/12/2021	0.50%	NAV	-16.61%	-37.20%	-52.25%	-	-	-	-	-
		Market Price	-16.39%	-37.16%	-51.89%	-	-	-	-	-
		Index	-16.56%	-37.33%	-52.20%	-	-	-	-	-
Blockchain Inception Date 07/12/2021	0.50%	NAV	-39.80%	-70.75%	-78.78%	-	-	-	-	-
		Market Price	-40.20%	-70.84%	-78.83%	-	-	-	-	-
		Index	-39.91%	-70.84%	-78.95%	-	-	-	-	-
Solar Inception Date 09/08/2021	0.50%	NAV	8.45%	2.30%	-9.74%	-	-	-	-	-
		Market Price	9.85%	3.71%	-8.66%	-	-	-	-	-
		Index	8.53%	2.48%	-9.31%	-	-	-	-	-
Wind Energy Inception Date 09/08/2021	0.50%	NAV	-1.42%	-9.06%	-21.04%	-	-	-	-	-
		Market Price	-0.21%	-7.74%	-20.23%	-	-	-	-	-
		Index	-1.40%	-8.95%	-20.72%	-	-	-	-	-
Disruptive Materials Inception Date 01/24/22	0.59%	NAV	-14.17%	-24.19%	-14.71%	-	-	-	-	-
		Market Price	-13.79%	-24.20%	-14.15%	-	-	-	-	-
		Index	-14.15%	-24.12%	-14.56%	-	-	-	-	-
Green Building Inception Date 04/11/22	0.45%	NAV	-9.23%	-	-14.63%	-	-	-	-	-
		Market Price	-8.78%	-	-13.92%	-	-	-	-	-
		Index	-9.61%	-	-15.00%	-	-	-	-	-
Metaverse Inception Date 04/26/22	0.50%	NAV	-12.05%	-	-14.10%	-	-	-	-	-
		Market Price	-11.84%	-	-13.89%	-	-	-	-	-
		Index	-12.06%	-	-14.10%	-	-	-	-	-



P/S AND EV/S

Source: Bloomberg, data is as of 6/30/22 and 5/31/22, Global X ETFs.

Ticker	Name	P/S		EV/S	
		6/30/22	5/31/22	6/30/22	5/31/22
BUG	Global X Cybersecurity ETF	7.69	8.15	7.85	8.29
GNOM	Global X Genomics & Biotechnology ETF	5.03	4.87	4.29	4.21
VPN	Global X Data Center REITs & Digital Infrastructure ETF	4.63	4.91	7.64	8.00
HYDR	Global X Hydrogen ETF	4.55	5.46	3.97	4.89
CHB	Global X China Biotech Innovation ETF	4.47	3.79	4.39	3.72
KEJI	Global X China Innovation ETF	3.95	3.58	3.29	2.90
CLOU	Global X Cloud Computing ETF	3.93	4.40	4.55	5.06
VR	Global X Metaverse ETF	3.66	4.13	3.46	4.07
AGNG	Global X Aging Population ETF	3.50	3.62	4.12	4.32
SOCL	Global X Social Media ETF	3.32	3.64	3.16	3.46
HERO	Global X Video Games & Esports ETF	3.26	3.65	2.92	3.44
RNRG	Global X Renewable Energy Producers ETF	3.16	3.20	5.22	5.00
FINX	Global X FinTech ETF	3.10	3.63	3.86	4.59
RAYS	Global X Solar ETF	2.88	2.65	3.76	3.52
EDOC	Global X Telemedicine & Digital Health ETF	2.82	2.94	2.93	3.03
BOTZ	Global X Robotics & Artificial Intelligence ETF	2.75	3.17	2.70	3.19
AQWA	Global X Clean Water ETF	2.50	2.67	3.68	3.86
AIQ	Global X Artificial Intelligence & Technology ETF	2.47	2.71	2.86	3.13
SPX	S&P 500 Index	2.34	2.55	2.64	2.84
SNSR	Global X Internet of Things ETF	2.21	2.53	2.51	2.83
GRNR	Global X Green Building ETF	2.17	2.39	4.11	4.32
LIT	Global X Lithium and Battery Tech ETF	2.05	2.07	2.17	2.21
EWEB	Global X Emerging Markets Internet & E-commerce ETF	2.02	1.99	2.07	1.91
MILN	Global X Millennial Consumer ETF	1.90	2.16	2.20	2.46
POTX	Global X Cannabis ETF	1.77	2.17	2.13	2.47
ACWI	MSCI ACWI Index	1.70	1.85	1.97	2.10
WNDY	Global X Wind Energy ETF	1.59	1.57	2.22	2.26
DMAT	Global X Disruptive Materials ETF	1.56	1.82	1.85	2.14
EDUT	Global X Education ETF	1.49	1.43	1.60	1.29
KROP	Global X AgTech & Food Innovation ETF	1.27	1.44	1.45	1.63
CTEC	Global X Cleantech ETF	1.25	1.35	1.51	1.65
PAVE	Global X U.S. Infrastructure Development ETF	1.20	1.36	1.48	1.64
BFIT	Global X Health & Wellness ETF	1.18	1.24	1.38	1.46
EBIZ	Global X E-commerce ETF	1.01	1.10	0.95	1.05
DRIV	Global X Autonomous & Electric Vehicles ETF	0.86	1.00	1.00	1.13
BKCH	Global X Blockchain ETF	0.85	1.43	1.06	1.82

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



F12 MONTH SALES GROWTH, PSG, AND EVSG

Source: Bloomberg, data is as of 6/30/22 and 5/31/22, Global X ETFs.

Ticker	Name	F12M Sales (%)		PSG		EVSG	
		6/30/22	5/31/22	6/30/22	5/31/22	6/30/22	5/31/22
POTX	Global X Cannabis ETF	74.0%	63.1%	0.02	0.03	0.03	0.04
RAYS	Global X Solar ETF	52.8%	48.3%	0.05	0.05	0.07	0.07
LIT	Global X Lithium and Battery Tech ETF	39.6%	51.7%	0.05	0.04	0.05	0.04
BKCH	Global X Blockchain ETF	29.5%	32.0%	0.03	0.04	0.04	0.06
BUG	Global X Cybersecurity ETF	27.7%	26.8%	0.28	0.30	0.28	0.31
KEJI	Global X China Innovation ETF	24.5%	30.3%	0.16	0.12	0.13	0.10
CHB	Global X Green Building ETF	22.8%	26.4%	0.20	0.09	0.19	0.16
GRNR	Global X Green Building ETF	20.6%	26.4%	0.11	0.09	0.20	0.16
EBIZ	Global X E-commerce ETF	15.4%	15.2%	0.07	0.07	0.06	0.07
CLOU	Global X Cloud Computing ETF	14.1%	13.0%	0.28	0.34	0.32	0.39
EDOC	Global X Telemedicine & Digital Health ETF	13.0%	11.7%	0.22	0.25	0.23	0.26
EWEB	Global X Emerging Markets Internet & E-commerce ETF	12.0%	13.0%	0.17	0.15	0.17	0.15
VR	Global X Metaverse ETF	11.3%	10.6%	0.32	0.39	0.31	0.39
BOTZ	Global X Robotics & Artificial Intelligence ETF	10.9%	12.8%	0.25	0.25	0.25	0.25
AIQ	Global X Artificial Intelligence & Technology ETF	10.5%	10.5%	0.24	0.26	0.27	0.30
MILN	Global X Millennial Consumer ETF	10.4%	9.7%	0.18	0.22	0.21	0.25
VPN	Global X Data Center REITs & Digital Infrastructure ETF	9.3%	10.3%	0.49	0.47	0.82	0.77
DMAT	Global X Disruptive Materials ETF	9.3%	7.6%	0.17	0.24	0.20	0.28
SPX	S&P 500 Index	8.5%	7.8%	0.27	0.33	0.31	0.37
HERO	Global X Video Games & Esports ETF	8.5%	8.5%	0.38	0.43	0.34	0.40
PAVE	Global X U.S. Infrastructure Development ETF	8.0%	8.0%	0.15	0.17	0.19	0.20
DRIV	Global X Autonomous & Electric Vehicles ETF	8.0%	10.4%	0.11	0.10	0.13	0.11
AQWA	Global X Clean Water ETF	7.9%	7.5%	0.32	0.36	0.47	0.51
ACWI	MSCI ACWI Index	7.8%	7.5%	0.22	0.25	0.25	0.28
SNSR	Global X Internet of Things ETF	7.6%	8.0%	0.29	0.32	0.33	0.36
SOCL	Global X Social Media ETF	7.4%	6.9%	0.45	0.53	0.43	0.50
BFIT	Global X Health & Wellness ETF	6.6%	8.8%	0.18	0.14	0.21	0.17
RNRG	Global X Renewable Energy Producers ETF	6.2%	4.0%	0.51	0.79	0.84	1.24
AGNG	Global X Aging Population ETF	2.8%	2.8%	1.27	1.29	1.50	1.54
CTEC	Global X Cleantech ETF	2.2%	2.1%	0.57	0.66	0.70	0.80
HYDR	Global X Hydrogen ETF	1.8%	5.3%	2.56	1.02	2.23	0.91
FINX	Global X FinTech ETF	1.4%	0.7%	2.16	5.36	2.69	6.78
KROP	Global X AgTech & Food Innovation ETF	1.4%	1.9%	0.92	0.78	1.06	0.87
EDUT	Global X Education ETF	0.3%	-4.8%	4.49	-0.30	4.83	-0.27
WNDY	Global X Wind Energy ETF	-4.9%	-7.5%	-0.33	-0.21	-0.46	-0.30
GNOM	Global X Genomics & Biotechnology ETF	-21.7%	-20.8%	-0.23	-0.23	-0.20	-0.20

Note: F12 Sales Growth refers to the consensus analyst expectations for total sales growth in the next 12 months. PSG and EVSG refer to Price-to-Sales over F12 Sales Growth and Enterprise Value over F12 Sales Growth, respectively. N/A 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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