

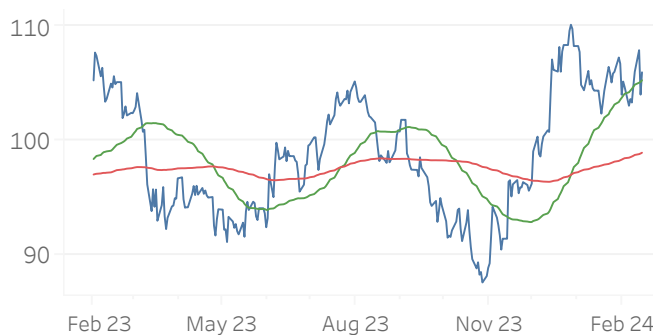
Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

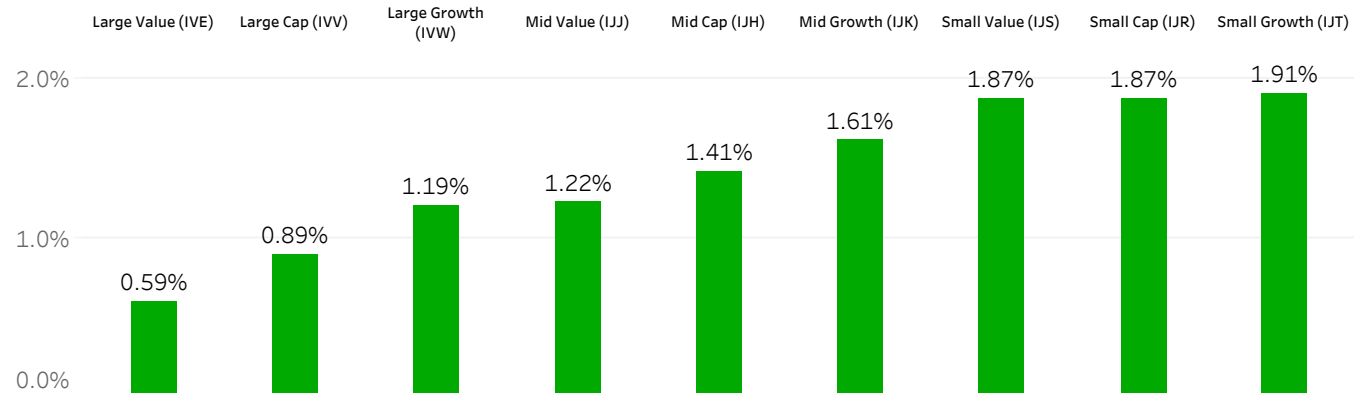


Small Cap Blend (S&P 600) IJR



■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	4.10%
BUZZ	VanEck Social Sentiment ETF	3.60%
FPX	First Trust US Equity Opportunities ETF	3.24%
IWC	iShares Micro-Cap ETF	3.03%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	2.99%
FFTY	Innovator IBD 50 ETF	2.92%
IWO	iShares Russell 2000 Growth ETF	2.71%
TMFS	Motley Fool Small-Cap Growth ETF	2.64%
VTWG	Vanguard Russell 2000 Growth ETF	2.62%
FNJ	First Trust Mid Cap Growth AlphaDEX Fund	2.52%

Size & Style Most Overbought

Ticker	Fund	Value
SPMO	Invesco S&P 500 Momentum ETF	77.78
XMMO	Invesco S&P MidCap Momentum ETF	75.96
XMHQ	Invesco S&P MidCap Quality ETF	74.46
MBCC	Monarch Blue Chips Core ETF	73.82
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	73.12
MTUM	iShares MSCI USA Momentum Factor ETF	73.09
JMOM	JPMorgan U.S. Momentum Factor ETF	71.41
PWB	Invesco Large Cap Growth ETF	71.06
GVIP	Goldman Sachs Hedge Industry VIP ETF	70.79
SEIM	SEI Enhanced U.S. Large Cap Momentum Factor ETF	70.48

Size & Style 1-Day Performance Laggards

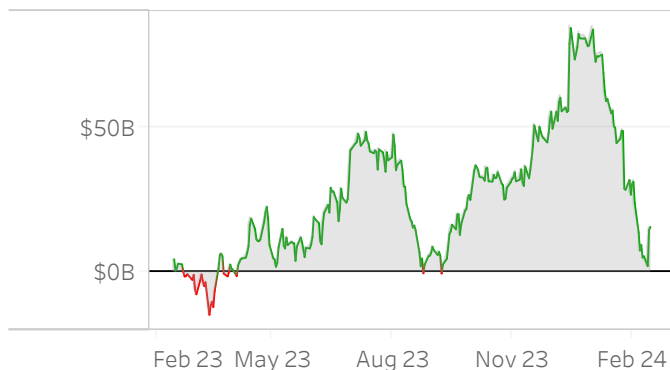
Ticker	Fund	Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.05%
WBIY	WBI Power Factor High Dividend ETF	0.08%
ABEQ	Absolute Select Value ETF	0.09%
HDV	iShares Core High Dividend ETF	0.10%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.10%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	0.14%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	0.15%
SPLV	Invesco S&P 500 Low Volatility ETF	0.16%
DURA	VanEck Durable High Dividend ETF	0.20%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.24%

Size & Style Most Oversold

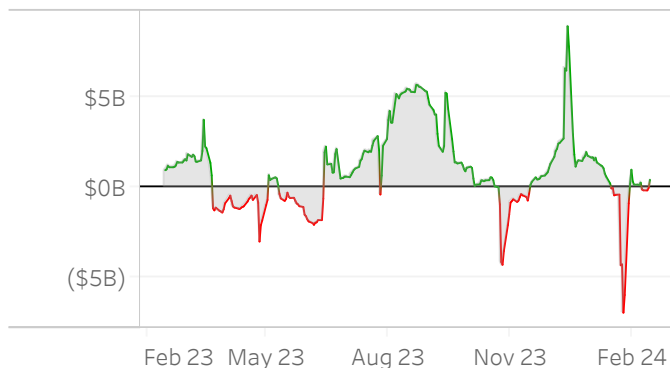
Ticker	Fund	Value
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	36.43
DIV	Global X SuperDividend US ETF	37.54
PEY	Invesco High Yield Equity Dividend Achievers ETF	39.68
DURA	VanEck Durable High Dividend ETF	40.05
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	41.60
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	43.12
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	43.26
DHS	WisdomTree U.S. High Dividend Fund	43.90
DVY	iShares Select Dividend ETF	44.23
SDOG	ALPS Sector Dividend Dogs ETF	44.25

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

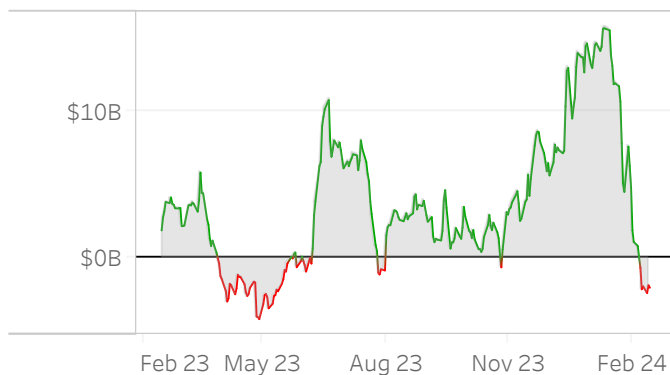
Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta, Beta	26	\$1,759B	\$12.09B	\$76.11B	\$123.38B	\$175.84B
Large Cap, Beta, Beta: Growth	10	\$341B	(\$0.35B)	\$3.81B	\$14.54B	\$19.49B
Large Cap, Beta, Beta: Value	11	\$244B	(\$0.49B)	\$5.18B	\$6.75B	(\$1.22B)
Mid Cap, Beta, Beta	10	\$211B	\$1.02B	\$1.37B	\$2.74B	\$7.35B
Mid Cap, Beta, Beta: Growth	6	\$40B	(\$0.02B)	\$0.30B	\$0.43B	\$1.45B
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.59B)	(\$0.93B)	(\$2.11B)	(\$3.70B)
Small Cap, Beta, Beta	11	\$222B	\$0.92B	\$5.31B	\$9.94B	\$14.24B
Small Cap, Beta, Beta: Growth	7	\$37B	\$0.35B	\$1.07B	\$1.74B	\$1.92B
Small Cap, Beta, Beta: Value	7	\$51B	\$0.22B	\$0.25B	(\$0.30B)	(\$2.05B)

U.S. Size & Style Flow Leaders

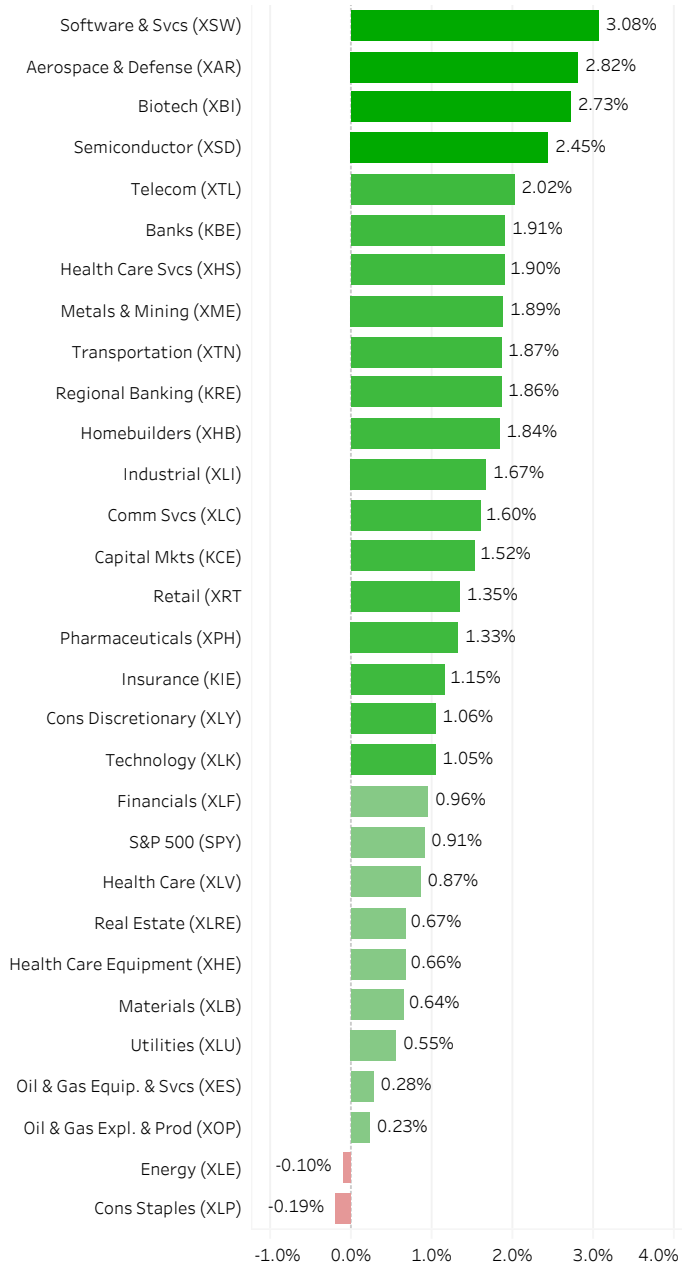
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$8.32B	\$21.38B	\$23.03B	\$29.42B	\$487.59B
VTI	Vanguard Total Stock Market ETF	\$2.44B	\$10.59B	\$16.46B	\$25.19B	\$365.41B
VOO	Vanguard S&P 500 ETF	\$2.23B	\$19.55B	\$30.50B	\$54.82B	\$401.64B
SPLG	SPDR Portfolio S&P 500 ETF	\$1.98B	\$5.92B	\$8.29B	\$10.30B	\$30.63B
SPMD	SPDR Portfolio S&P 400 Mid Cap ETF	\$0.60B	\$1.08B	\$1.42B	\$2.12B	\$8.72B
SPSM	SPDR Portfolio S&P 600 Small Cap ETF	\$0.53B	\$1.06B	\$1.30B	\$4.50B	\$9.92B
SCHA	Schwab U.S. Small-Cap ETF	\$0.51B	\$0.65B	\$0.82B	\$0.76B	\$15.83B
IJH	iShares Core S&P Mid-Cap ETF	\$0.44B	(\$0.52B)	(\$0.44B)	\$3.88B	\$76.81B
SEIM	SEI Enhanced U.S. Large Cap Momentum Fact..	\$0.38B	\$0.38B	\$0.39B	\$0.39B	\$0.42B
SEIV	SEI Enhanced U.S. Large Cap Value Factor ETF	\$0.38B	\$0.38B	\$0.38B	\$0.39B	\$0.41B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$0.68B)	(\$0.74B)	\$2.29B	\$1.35B	\$58.40B
SCHX	Schwab U.S. Large-Cap ETF	(\$0.61B)	(\$0.24B)	\$0.26B	(\$0.31B)	\$37.72B
VTV	Vanguard Value ETF	(\$0.59B)	\$0.38B	(\$0.39B)	(\$3.59B)	\$106.62B
VOE	Vanguard Mid-Cap Value ETF	(\$0.57B)	(\$0.84B)	(\$1.13B)	(\$1.47B)	\$15.35B
IVW	iShares S&P 500 Growth ETF	(\$0.37B)	(\$2.04B)	(\$2.25B)	(\$0.55B)	\$37.38B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.27B)	\$4.22B	\$3.33B	\$10.22B	\$48.74B
DGRW	WisdomTree US Quality Dividend Growth Fund	(\$0.21B)	\$0.34B	\$1.18B	\$2.44B	\$11.81B
VUG	Vanguard Growth ETF	(\$0.16B)	\$1.65B	\$3.93B	\$3.83B	\$111.94B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.12B)	(\$4.29B)	(\$4.90B)	(\$5.95B)	\$26.01B
IWF	iShares Russell 1000 Growth ETF	(\$0.10B)	(\$0.22B)	\$2.65B	\$1.57B	\$85.70B

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S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLI	Industrial Select Sector SPDR Fund	0.00%	22.21%	4.17%	10.67%	67.28
XLV	Health Care Select Sector SPDR Fund	-0.19%	17.02%	3.96%	8.48%	67.65
XLC	Communication Services Select Sector SPDR Fund	-0.24%	52.22%	6.99%	16.67%	64.83
XLF	Financial Select Sector SPDR Fund	-0.41%	26.21%	3.23%	12.26%	61.09
SPY	SPDR S&P 500 ETF Trust	-0.52%	29.38%	4.03%	11.21%	63.96
XLK	Technology Select Sector SPDR Fund	-1.42%	51.18%	5.00%	15.91%	60.09
XLY	Consumer Discretionary Select Sector SPDR Fund	-1.86%	28.82%	1.13%	6.58%	55.53
XLB	Materials Select Sector SPDR Fund	-3.55%	11.67%	-0.59%	2.57%	51.03
XLP	Consumer Staples Select Sector SPDR Fund	-6.19%	9.79%	0.60%	0.90%	48.21
XLRE	Real Estate Select Sector SPDR Fund	-6.57%	17.55%	-3.00%	2.51%	43.34
XLE	Energy Select Sector SPDR Fund	-10.78%	8.76%	0.00%	-1.54%	49.84
XLU	Utilities Select Sector SPDR Fund	-13.83%	7.30%	-3.53%	-4.72%	42.36

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IYT	iShares US Transportation ETF	3.65%
PTF	Invesco Dorsey Wright Technology Momentum ETF	3.16%
PSI	Invesco Semiconductors ETF	3.10%
XSW	SPDR S&P Software & Services ETF	3.08%
PSCT	Invesco S&P SmallCap Information Technology ETF	3.01%
XAR	SPDR S&P Aerospace & Defense ETF	2.82%
XBI	SPDR S&P BIOTECH ETF	2.73%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	2.70%
AIRR	First Trust RBA American Industrial Renaissance E..	2.61%
PNQI	Invesco NASDAQ Internet ETF	2.48%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	73.99
IAK	iShares U.S. Insurance ETF	70.53
IHE	iShares U.S. Pharmaceuticals ETF	70.51
PPA	Invesco Aerospace & Defense ETF	69.62
IYH	iShares U.S. Healthcare ETF	68.63
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	67.84
XLV	Health Care Select Sector SPDR Fund	67.65
VHT	Vanguard Health Care ETF	67.41
IYT	iShares US Transportation ETF	67.34
XLI	Industrial Select Sector SPDR Fund	67.28

Sector & Industry 1 Day Performance Laggards

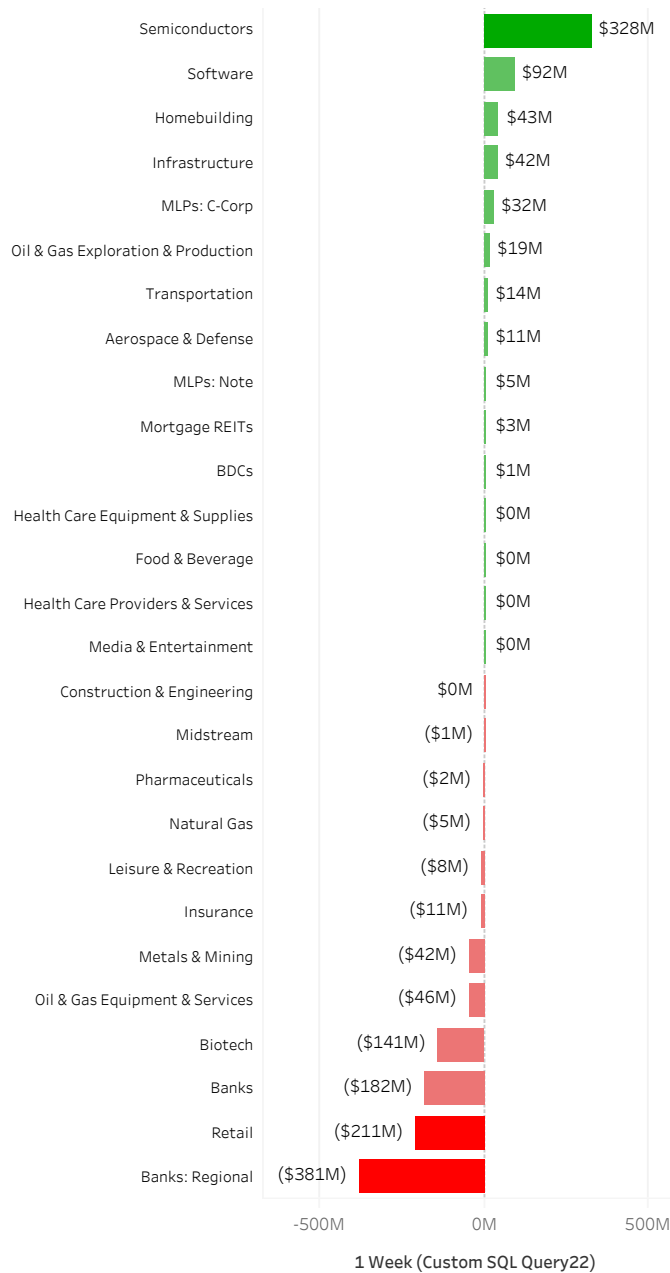
Ticker	Fund	1 Day Performance
FTXG	First Trust Nasdaq Food & Beverage ETF	-0.57%
ENFR	Alerian Energy Infrastructure ETF	-0.39%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-0.32%
IYK	iShares U.S. Consumer Staples ETF	-0.31%
RSPG	Invesco S&P 500 Equal Weight Energy ETF	-0.28%
MLPX	Global X MLP & Energy Infrastructure ETF	-0.28%
XLP	Consumer Staples Select Sector SPDR Fund	-0.19%
XLE	Energy Select Sector SPDR Fund	-0.10%
VDE	Vanguard Energy ETF	-0.09%
FENY	Fidelity MSCI Energy Index ETF	-0.09%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
NETL	NETLease Corporate Real Estate ETF	35.73
RIET	Hoya Capital High Dividend Yield ETF	35.75
REM	iShares Mortgage Real Estate ETF	36.39
KBWD	Invesco KBW High Dividend Yield Financial ETF	37.05
KBWY	Invesco KBW Premium Yield Equity REIT ETF	37.23
MORT	VanEck Mortgage REIT Income ETF	37.37
ENFR	Alerian Energy Infrastructure ETF	37.90
MLPX	Global X MLP & Energy Infrastructure ETF	38.48
FTXG	First Trust Nasdaq Food & Beverage ETF	39.08
FXZ	First Trust Materials AlphaDEX Fund	39.66

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U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$23B	\$46M	\$956M	\$492M	\$3,664M
Consumer Discretionary	12	\$30B	\$12M	\$1,897M	\$1,660M	\$3,538M
Consumer Staples	10	\$25B	(\$1,223M)	(\$1,886M)	(\$5,091M)	(\$3,739M)
Energy	30	\$69B	(\$225M)	(\$2,805M)	(\$247M)	(\$6,912M)
Financials	26	\$62B	(\$224M)	\$2,458M	(\$2,711M)	(\$1,732M)
Health Care	23	\$91B	(\$159M)	(\$1,182M)	(\$4,556M)	(\$8,483M)
Industrial	13	\$38B	\$201M	\$1,039M	(\$300M)	\$1,716M
Materials	9	\$11B	(\$95M)	(\$984M)	(\$1,931M)	(\$3,833M)
Multi-Sector	16	\$21B	\$78M	(\$20M)	(\$318M)	\$2,770M
Real Estate	25	\$57B	\$12M	\$1,677M	\$1,117M	(\$1,231M)
Technology	23	\$189B	\$1,021M	\$5,830M	\$9,841M	\$10,290M
Utilities	9	\$19B	(\$188M)	(\$1,313M)	(\$2,519M)	(\$3,063M)

U.S. Sector & Industry Flow Leaders

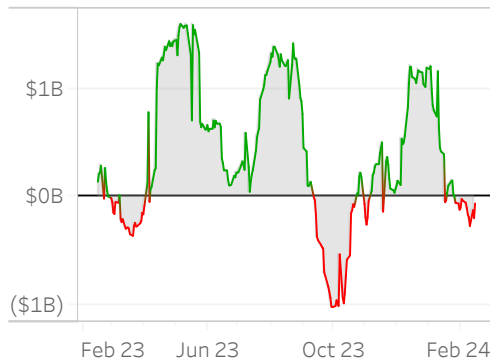
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$375M	\$2,040M	(\$1,750M)	(\$10M)	\$36,119M
SOXX	iShares Semiconductor ETF	\$335M	\$273M	\$628M	\$936M	\$11,693M
XLK	Technology Select Sector SPDR Fund	\$301M	\$2,520M	\$3,449M	\$2,626M	\$62,574M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$229M	\$1,648M	\$1,877M	\$2,538M	\$19,705M
XLI	Industrial Select Sector SPDR Fund	\$128M	\$417M	(\$554M)	\$388M	\$16,235M
VGT	Vanguard Information Technology ETF	\$128M	\$2,137M	\$2,549M	\$1,714M	\$63,397M
XLRE	Real Estate Select Sector SPDR Fund	\$104M	\$898M	\$1,096M	\$675M	\$5,673M
IYW	iShares U.S. Technology ETF	\$93M	\$619M	\$1,638M	\$985M	\$15,290M
IGV	iShares Expanded Tech-Software Sector ETF	\$87M	(\$460M)	(\$166M)	\$103M	\$7,759M
ITB	iShares U.S. Home Construction ETF	\$76M	(\$71M)	(\$293M)	\$194M	\$2,427M

U.S. Sector & Industry Flow Laggards

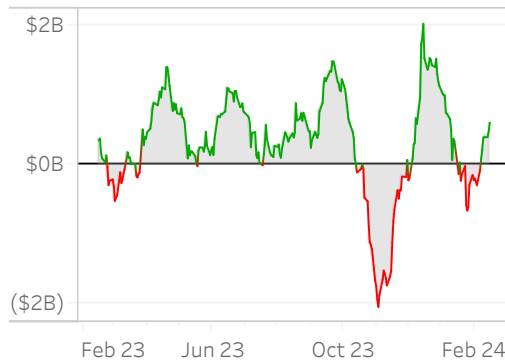
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$1,035M)	(\$1,255M)	(\$2,520M)	(\$1,293M)	\$14,984M
KRE	SPDR S&P Regional Banking ETF	(\$351M)	(\$360M)	(\$330M)	\$926M	\$2,796M
XRT	SPDR S&P Retail ETF	(\$211M)	(\$251M)	(\$70M)	(\$175M)	\$320M
XLE	Energy Select Sector SPDR Fund	(\$178M)	(\$2,126M)	(\$183M)	(\$3,166M)	\$35,088M
VDC	Vanguard Consumer Staples ETF	(\$177M)	(\$168M)	(\$605M)	(\$362M)	\$6,378M
IYR	iShares U.S. Real Estate ETF	(\$143M)	\$216M	\$213M	(\$360M)	\$3,138M
XBI	SPDR S&P BIOTECH ETF	(\$142M)	(\$599M)	(\$270M)	(\$1,448M)	\$6,720M
FUTY	Fidelity MSCI Utilities Index ETF	(\$110M)	(\$179M)	(\$541M)	(\$830M)	\$1,152M
KBE	SPDR S&P Bank ETF	(\$108M)	\$387M	\$208M	\$156M	\$1,622M
XLU	Utilities Select Sector SPDR Fund	(\$75M)	(\$1,287M)	(\$1,729M)	(\$1,847M)	\$11,948M

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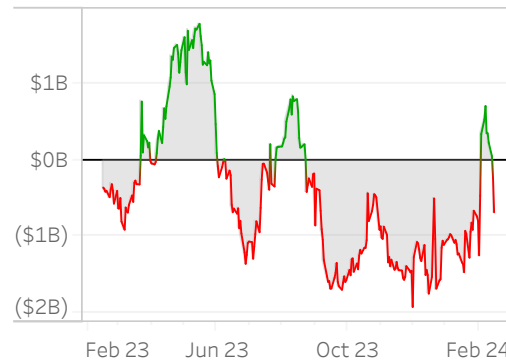
Communication Services



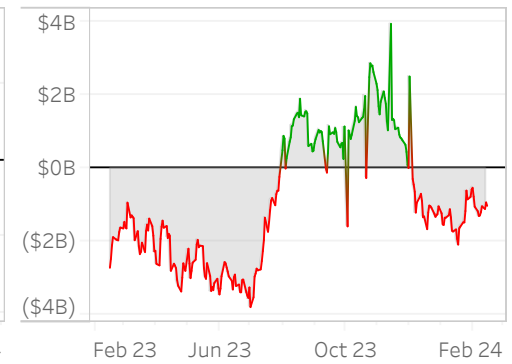
Consumer Discretionary



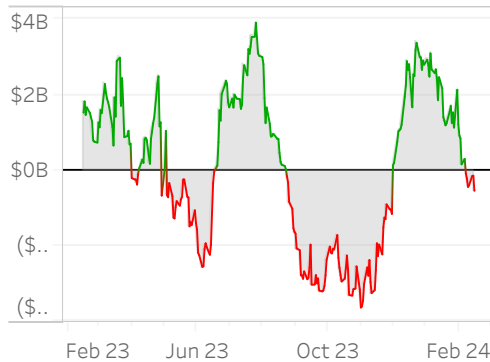
Consumer Staples



Energy



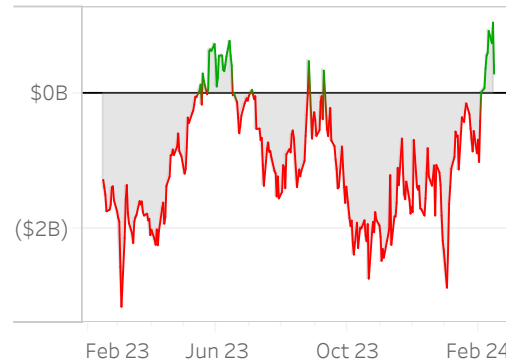
Financials



Industrial



Health Care



Materials



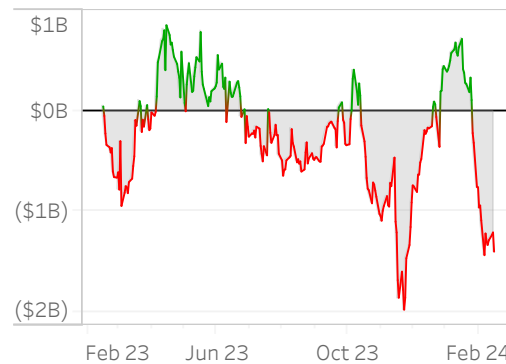
Real Estate



Technology



Utilities

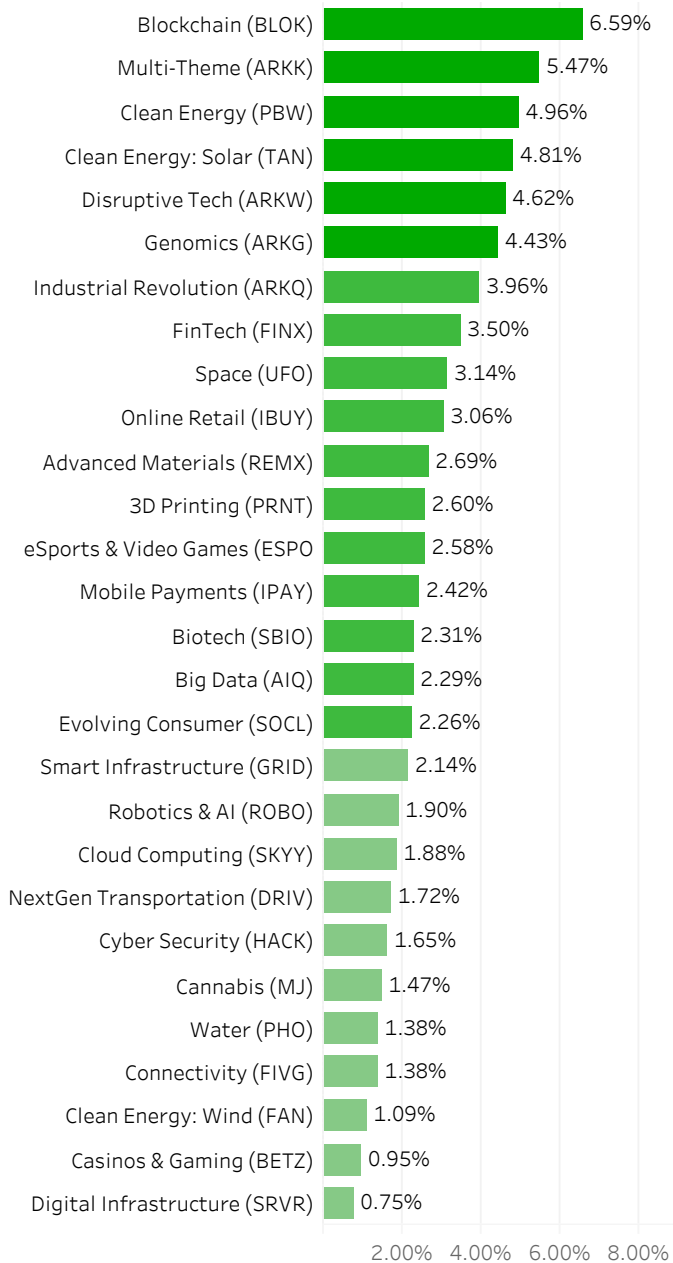


Multi-Sector

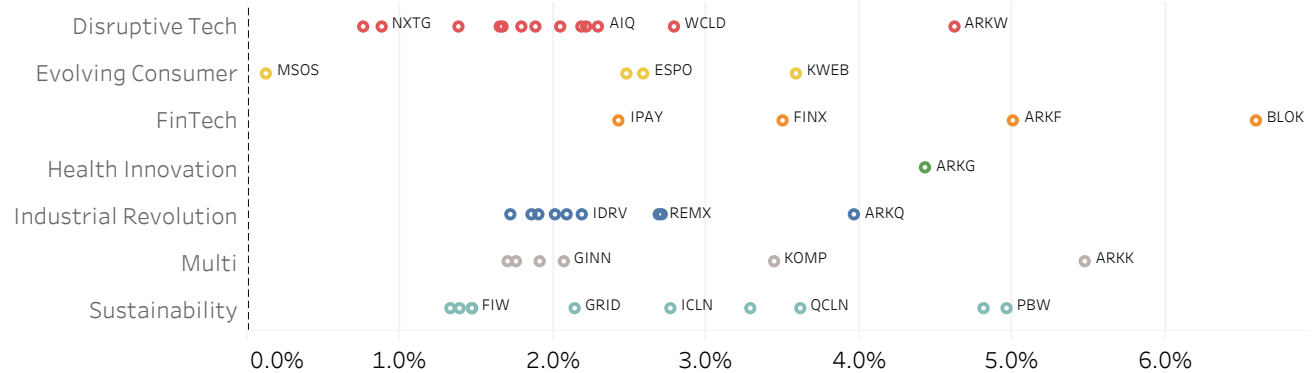


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DAPP	VanEck Digital Transformation ETF	12.80%
WGM	Valkyrie Bitcoin Miners ETF	12.72%
BKCH	Global X Blockchain ETF	12.49%
BITQ	Bitwise Crypto Industry Innovators ETF	12.09%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	11.77%
BLOK	Amplify Transformational Data Sharing ETF	6.59%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	6.28%
ARKK	ARK Innovation ETF	5.47%
ARKF	ARK Fintech Innovation ETF	5.00%
PBW	Invesco WilderHill Clean Energy ETF	4.96%

Thematic Most Overbought

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	71.50
BLOK	Amplify Transformational Data Sharing ETF	71.42
WGM	Valkyrie Bitcoin Miners ETF	70.93
ENR	ERShares Entrepreneurs ETF	70.54
BKCH	Global X Blockchain ETF	70.44
FDIG	Fidelity Crypto Industry and Digital Payments ETF	68.93
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	68.49
ESPO	VanEck Video Gaming and eSports ETF	68.13
SPRX	Spear Alpha ETF	68.04
BITQ	Bitwise Crypto Industry Innovators ETF	67.92

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	0.12%
MJUS	Amplify U.S. Alternative Harvest ETF	0.13%
SRVR	Pacer Data & Infrastructure Real Estate ETF	0.75%
EBLU	Ecofin Global Water ESG Fund	0.82%
NXTG	First Trust Indxx NextG ETF	0.87%
KARS	KraneShares Electric Vehicles & Future Mobility Index ..	0.95%
BETZ	Roundhill Sports Betting & iGaming ETF	0.95%
KLDW	Knowledge Leaders Developed World ETF	0.98%
FAN	First Trust Global Wind Energy ETF	1.09%
BATT	Amplify Lithium & Battery Technology ETF	1.14%

Thematic Most Oversold

Ticker	Fund	Price
BATT	Amplify Lithium & Battery Technology ETF	40.40
LIT	Global X Lithium & Battery Tech ETF	40.81
REMX	VanEck Rare Earth/Strategic Metals ETF	40.91
FAN	First Trust Global Wind Energy ETF	41.24
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	41.65
SRVR	Pacer Data & Infrastructure Real Estate ETF	42.62
SMOG	VanEck Low Carbon Energy ETF	44.43
MJ	Amplify Alternative Harvest ETF	45.10
MJUS	Amplify U.S. Alternative Harvest ETF	46.02
KGRN	KraneShares MSCI China Clean Technology Index ETF	46.04

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Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$178M
AIQ	Global X Artificial Intelligence & Technology ETF	\$79M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$75M
XITK	SPDR FactSet Innovative Technology ETF	\$70M
MSOS	AdvisorShares Pure US Cannabis ETF	\$33M
HAIL	SPDR S&P Kensho Smart Mobility ETF	\$30M
HACK	Amplify Cybersecurity ETF	\$26M
IHAK	iShares Cybersecurity & Tech ETF	\$22M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$21M
SPRX	Spear Alpha ETF	\$15M

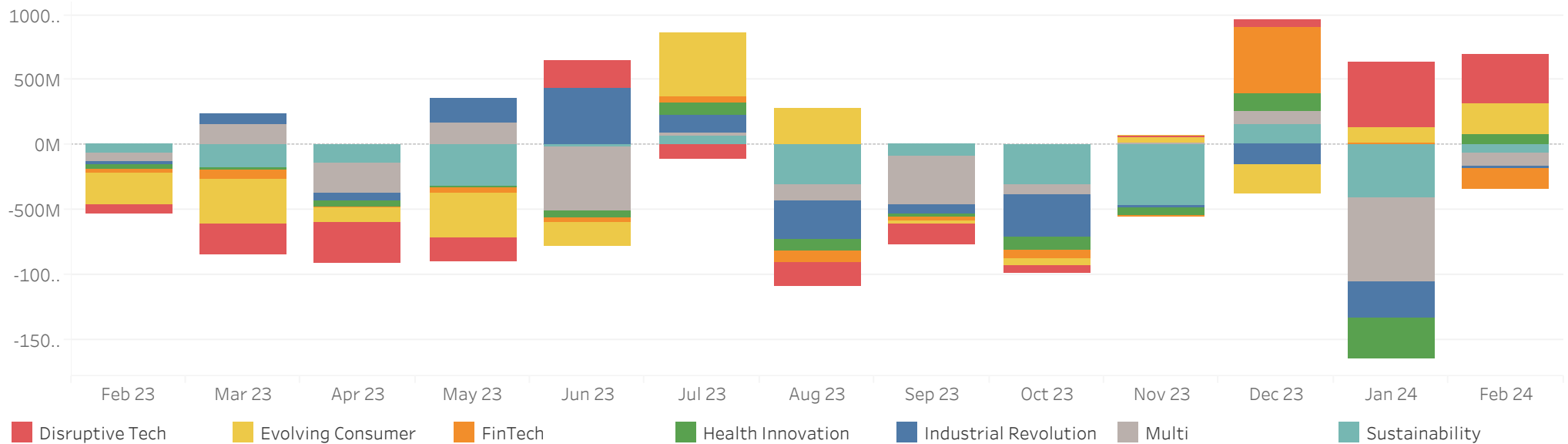
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$157M)
BLOK	Amplify Transformational Data Sharing ETF	(\$107M)
ARKF	ARK Fintech Innovation ETF	(\$18M)
LIT	Global X Lithium & Battery Tech ETF	(\$13M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$8M)
TARK	AXS 2X Innovation ETF	(\$8M)
MJUS	Amplify U.S. Alternative Harvest ETF	(\$7M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$7M)
FIVG	Defiance Next Gen Connectivity ETF	(\$6M)
PHO	Invesco Water Resources ETF	(\$6M)

Thematic Landscape Assets & Flows

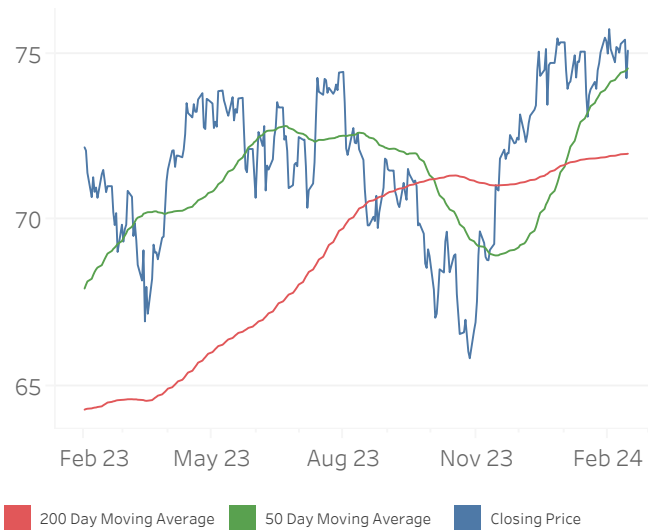
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$20B	\$289M	\$934M	\$606M	(\$135M)
Evolving Consumer	37	\$8B	(\$15M)	\$293M	\$67M	(\$338M)
FinTech	17	\$4B	(\$84M)	\$369M	\$192M	\$2M
Health Innovation	17	\$2B	\$12M	(\$100M)	(\$303M)	(\$442M)
Industrial Revolution	30	\$9B	\$15M	(\$479M)	(\$964M)	(\$410M)
Multi	35	\$15B	(\$151M)	(\$690M)	(\$1,013M)	(\$1,649M)
Sustainability	40	\$12B	\$1M	(\$376M)	(\$1,292M)	(\$2,127M)
Grand Total	209	\$72B	\$66M	(\$49M)	(\$2,706M)	(\$5,099M)

Thematic Monthly Flows

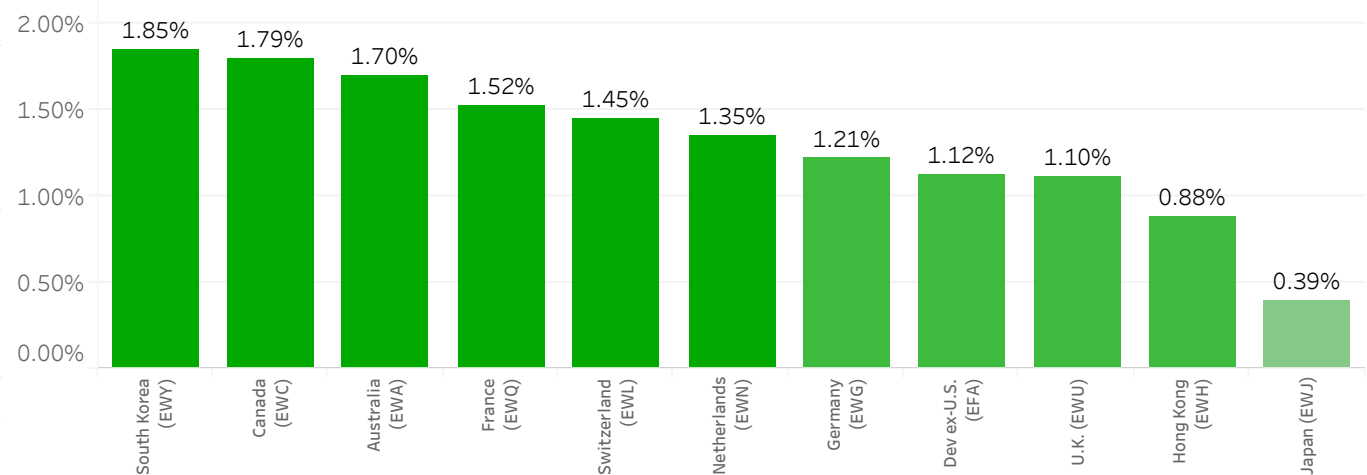


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

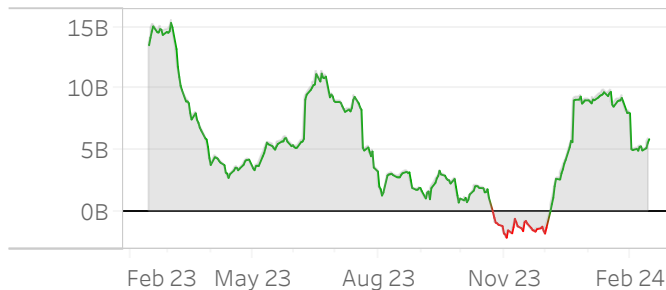
Developed ex-U.S. (EFA)



Developed ex-U.S. 1-Day Performance Top 10 Countries



Developed ex-U.S. 30-Day Rolling Flows



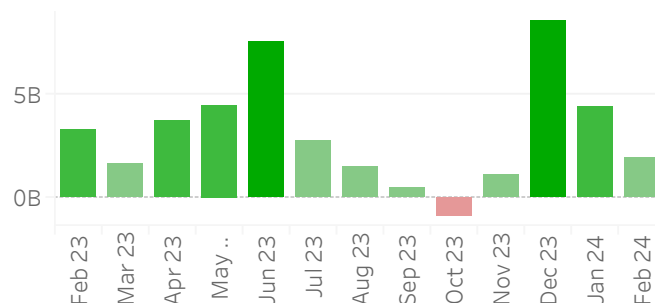
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIRL	iShares MSCI Ireland ETF	2.33%
ISRA	VanEck Israel ETF	2.27%
PIZ	Invesco Dorsey Wright Developed Markets Momentum ETF	2.23%
MINV	Matthews Asia Innovators Active ETF	2.22%
IMOM	Alpha Architect International Quantitative Momentum ETF	2.14%
FSZ	First Trust Switzerland AlphaDEX Fund	1.98%
FLCA	Franklin FTSE Canada ETF	1.94%
FLKR	Franklin FTSE South Korea ETF	1.88%
EWY	iShares MSCI South Korea ETF	1.85%
IEUS	iShares MSCI Europe Small-Cap ETF	1.83%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	80.99
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	77.23
HEWJ	iShares Currency Hedged MSCI Japan ETF	76.16
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	69.28
HEFA	iShares Currency Hedged MSCI EAFE ETF	68.37
HEDJ	WisdomTree Europe Hedged Equity Fund	66.70
ISRA	VanEck Israel ETF	66.00
EIRL	iShares MSCI Ireland ETF	65.47
EIS	iShares MSCI Israel ETF	65.07
IHDG	WisdomTree International Hedged Quality Dividend Grow..	64.83

Developed ex-U.S. Monthly Flows



Developed ex-U.S. 1-Day Performance Laggards

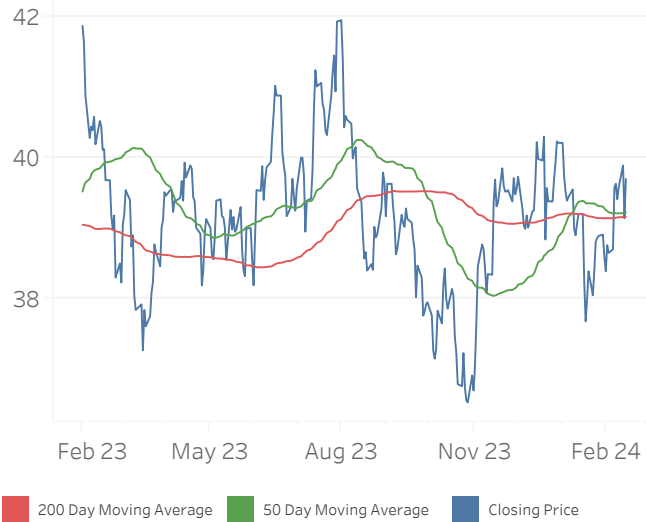
Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	0.13%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	0.16%
SCJ	iShares MSCI Japan Small-Cap ETF	0.21%
DXJ	WisdomTree Japan Hedged Equity Fund	0.27%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.28%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.30%
BBJP	JPMorgan BetaBuilders Japan ETF	0.31%
FLJP	Franklin FTSE Japan ETF	0.38%
EWJ	iShares MSCI Japan ETF	0.39%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.44%

Developed ex-U.S. Most Oversold

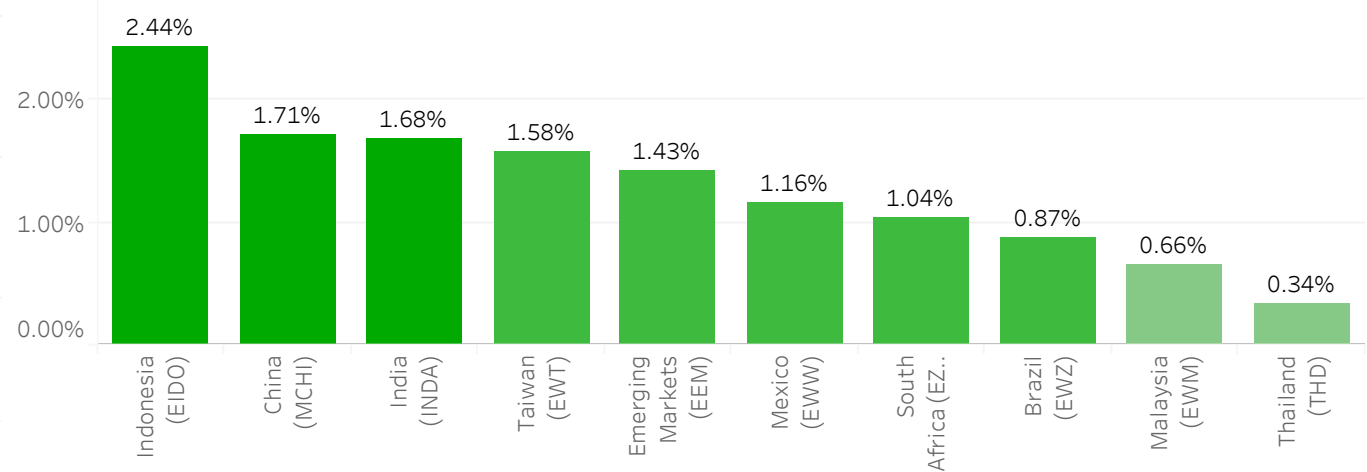
Ticker	Fund	Value
FDD	First Trust Stoxx European Select Dividend Index Fu..	33.97
ENZL	iShares MSCI New Zealand ETF	36.26
EWO	iShares MSCI Austria ETF	39.42
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	40.62
EWSP	iShares MSCI Spain ETF	41.32
IDOG	ALPS International Sector Dividend Dogs ETF	41.65
IDLV	Invesco S&P International Developed Low Volatility ..	42.56
EFAV	iShares MSCI EAFE Min Vol Factor ETF	42.63
EWL	iShares MSCI Switzerland ETF	42.65
DTH	WisdomTree International High Dividend Fund	43.23

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



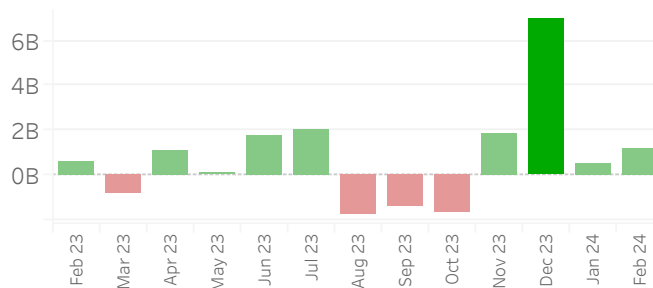
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	3.39%
EPOL	iShares MSCI Poland ETF	2.84%
PIE	Invesco Dorsey Wright Emerging Markets Momentum E..	2.57%
ECH	iShares MSCI Chile ETF	2.49%
EIDO	iShares MSCI Indonesia ETF	2.44%
GLIN	VanEck India Growth Leaders ETF	2.41%
EPI	WisdomTree India Earnings Fund	2.40%
QAT	iShares MSCI Qatar ETF	2.28%
FXI	iShares China Large-Cap ETF	2.12%
NUEM	Nuveen ESG Emerging Markets Equity ETF	2.01%

Emerging Most Overbought

Ticker	Fund	Price
GLIN	VanEck India Growth Leaders ETF	66.30
TUR	iShares MSCI Turkey ETF	65.80
EPHE	iShares MSCI Philippines ETF	65.55
KSA	iShares MSCI Saudi Arabia ETF	64.07
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	63.39
EYLD	Cambria Emerging Shareholder Yield ETF	62.88
NFTY	First Trust India NIFTY 50 Equal Weight ETF	61.65
EIDO	iShares MSCI Indonesia ETF	60.64
EPI	WisdomTree India Earnings Fund	60.61
INDA	iShares MSCI India ETF	60.47

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.09%
KBA	KraneShares Boseri MSCI China A 50 Connect Index ETF	0.20%
CNYA	iShares MSCI China A ETF	0.20%
THD	iShares MSCI Thailand ETF	0.34%
EWM	iShares MSCI Malaysia ETF	0.66%
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	0.68%
KSA	iShares MSCI Saudi Arabia ETF	0.73%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.79%
TUR	iShares MSCI Turkey ETF	0.81%
FLBR	Franklin FTSE Brazil ETF	0.82%

Emerging Most Oversold

Ticker	Fund	Price
THD	iShares MSCI Thailand ETF	41.38
EWZS	iShares MSCI Brazil Small-Cap ETF	41.55
EZA	iShares MSCI South Africa ETF	42.63
ECH	iShares MSCI Chile ETF	42.89
ARGT	Global X MSCI Argentina ETF	43.29
EWZ	iShares MSCI Brazil ETF	43.30
FLBR	Franklin FTSE Brazil ETF	43.80
FLLA	Franklin FTSE Latin America ETF	45.72
ILF	iShares Latin America 40 ETF	48.43
ECOW	Pacer Emerging Markets Cash Cows 100 ETF	48.48

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



■ 200 Day Moving Average
 ■ 50 Day Moving Average
 ■ Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	0.44%	-1.65%	-1.80%
SHY	1-3 Year Treasury Bonds	0.15%	-0.51%	-0.15%
IEF	7-10 Year Treasury Bonds	0.37%	-2.19%	-2.36%
TLT	20+ Year Treasury Bonds	0.51%	-3.53%	-5.83%
TIP	TIPS Bonds	0.43%	-1.53%	-1.26%
FLOT	Floating Rate Bonds	0.06%	0.67%	1.01%
LQD	Investment Grade Corporate	0.47%	-2.34%	-2.53%
HYG	High Yield Corporate	0.39%	-0.58%	-0.18%
BKLN	Senior Loan	0.14%	0.23%	0.27%
PFF	Preferred & Income Securities	0.47%	1.19%	2.45%
MUB	Municipal Bonds	0.20%	-0.65%	-0.47%
MBB	MBS	0.63%	-2.04%	-2.15%
EMB	Dollar Denominated EM Bonds	0.68%	-1.21%	-1.82%
LEMB	Local Currency EM Bond	0.06%	-2.32%	-2.56%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.14%	-2.84%	-3.22%
DBE	Energy	-1.63%	0.39%	3.27%
USO	WTI Crude Oil	-1.51%	5.19%	7.35%
BNO	Brent Crude Oil	-1.31%	5.02%	7.29%
UNG	Natural Gas	-4.06%	-45.42%	-26.58%
UGA	Gasoline	-3.06%	8.25%	9.19%
DBP	Precious Metals	0.28%	-2.65%	-3.76%
GLD	Gold	-0.06%	-2.79%	-3.53%
SLV	Silver	1.19%	-3.54%	-6.15%
PPLT	abrdn Physical Platin..	1.85%	-1.86%	-10.11%
PALL	abrdn Physical Palla..	7.89%	-4.59%	-14.88%
DBB	Base Metals	0.24%	-2.54%	-7.76%
CPER	Copper	-0.17%	-0.95%	-4.60%
DBA	Agriculture	-0.45%	6.21%	5.54%
CORN	Corn	-1.35%	-4.27%	-8.53%
SOYB	Soybeans	-1.40%	-4.80%	-8.89%
WEAT	Wheat	-2.16%	-5.23%	-8.88%
CANE	Sugar	0.66%	8.19%	10.85%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.18%	2.70%	4.06%
UDN	Short Dollar	0.28%	-1.92%	-2.93%
FXE	Euro	0.20%	-1.82%	-2.52%
FXB	British Pound Sterling	-0.08%	-1.10%	-1.03%
FXF	Swiss Franc	0.19%	-3.74%	-5.01%
FXJ	Japanese Yen	0.10%	-3.86%	-6.53%
FXC	Canadian Dollar	0.17%	-0.83%	-1.92%
FXA	Australian Dollar	0.56%	-2.81%	-4.57%

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