

Large Cap Blend (S&P 500) IVV



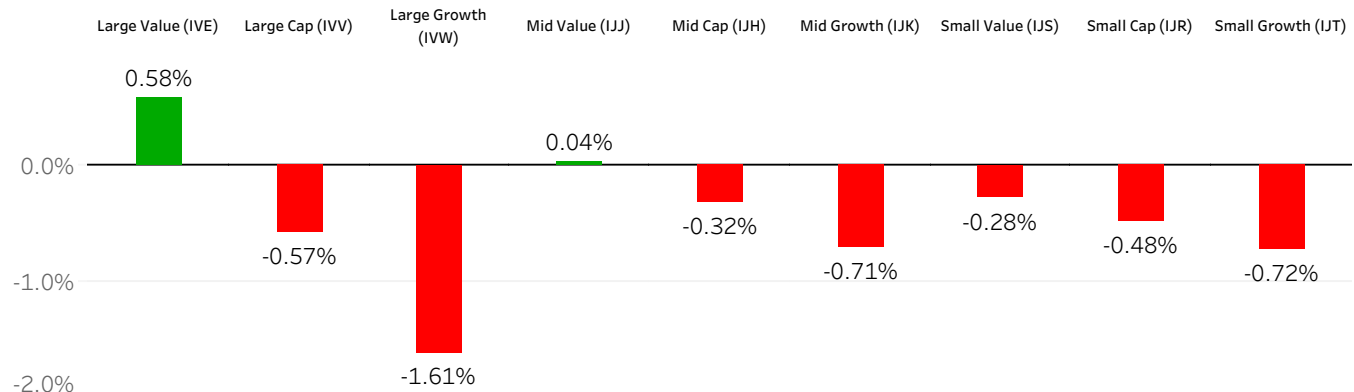
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	1.63%
FDL	First Trust Morningstar Dividend Leaders Index Fund	1.56%
HDV	iShares Core High Dividend ETF	1.55%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	1.40%
CDL	VictoryShares US Large Cap High Dividend Volatility Wt..	1.27%
SPDV	AAM S&P 500 High Dividend Value ETF	1.26%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	1.25%
DHS	WisdomTree U.S. High Dividend Fund	1.20%
PEY	Invesco High Yield Equity Dividend Achievers ETF	1.18%
LSAT	Leadershares Alphafactor Tactical Focused ETF	1.16%

Size & Style Most Overbought

Ticker	Fund	Price
DIA	SPDR Dow Jones Industrial Average ETF Trust	76.33
DJD	Invesco Dow Jones Industrial Average Dividend ETF	75.13
SPYV	SPDR Portfolio S&P 500 Value ETF	73.24
IVE	iShares S&P 500 Value ETF	72.46
RWL	Invesco S&P 500 Revenue ETF	71.89
VOOV	Vanguard S&P 500 Value ETF	71.87
MGV	Vanguard Mega Cap Value ETF	71.84
HKND	Humankind US Stock ETF	71.79
IUSV	iShares Core S&P US Value ETF	71.53
SCHD	Schwab US Dividend Equity ETF	71.35

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	-4.00%
FPX	First Trust US Equity Opportunities ETF	-3.02%
FFTY	Innovator IBD 50 ETF	-2.83%
LCG	Sterling Capital Focus Equity ETF	-2.65%
QQH	HCM Defender 100 Index ETF	-2.47%
BUZZ	VanEck Social Sentiment ETF	-2.46%
MMLG	First Trust Multi-Manager Large Growth ETF	-2.18%
RPG	Invesco S&P 500 Pure Growth ETF	-2.17%
FCTR	First Trust Lunt U.S. Factor Rotation ETF	-2.05%
WINN	Harbor Long-Term Growers ETF	-2.03%

Size & Style Most Oversold

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	15.53
FFTY	Innovator IBD 50 ETF	44.63
RPHS	Regents Park Hedged Market Strategy ETF	44.92
PTNQ	Pacer Trendpilot 100 ETF	45.74
RPG	Invesco S&P 500 Pure Growth ETF	48.99
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	49.30
QQH	HCM Defender 100 Index ETF	49.34
FPX	First Trust US Equity Opportunities ETF	49.45
IVW	iShares S&P 500 Growth ETF	49.58
VOOG	Vanguard S&P 500 Growth ETF	49.71

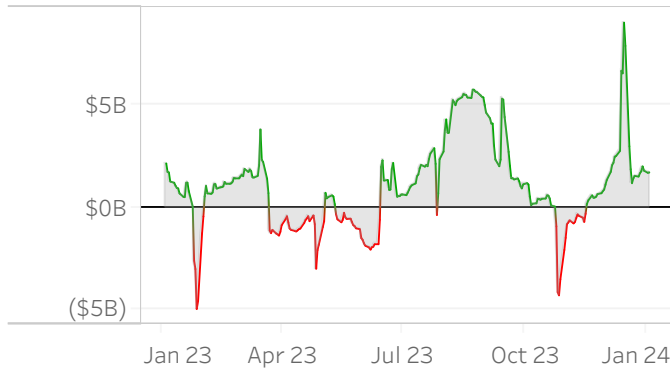
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

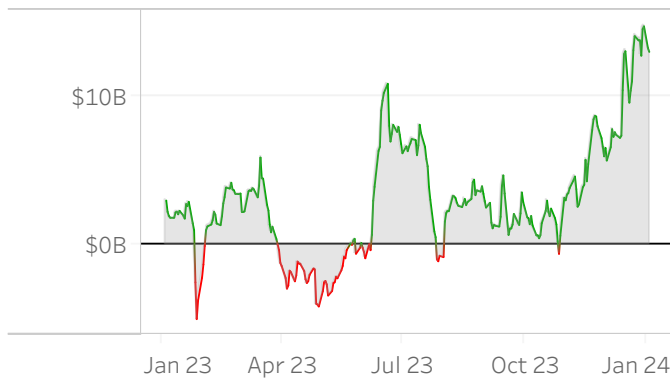
Large-Cap 30-Day Rolling Flows



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	\$1,678B	\$4.15B	\$92.43B	\$119.17B	\$158.68B
Large Cap, Beta, Beta: Growth	10	\$320B	\$0.22B	\$10.04B	\$14.40B	\$17.17B
Large Cap, Beta, Beta: Value	11	\$242B	\$0.15B	\$6.26B	\$7.97B	(\$1.03B)
Mid Cap, Beta, Beta	10	\$211B	\$0.16B	(\$0.65B)	\$6.13B	\$7.51B
Mid Cap, Beta, Beta: Growth	6	\$40B	\$0.03B	\$1.06B	\$1.33B	\$1.24B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.04B	(\$0.21B)	(\$0.74B)	(\$2.52B)
Small Cap, Beta, Beta	11	\$234B	\$1.62B	\$12.96B	\$15.81B	\$20.08B
Small Cap, Beta, Beta: Growth	7	\$37B	\$0.10B	\$1.14B	\$1.40B	\$1.00B
Small Cap, Beta, Beta: Value	7	\$54B	\$0.21B	\$1.22B	\$0.53B	(\$0.73B)

U.S. Size & Style Flow Leaders

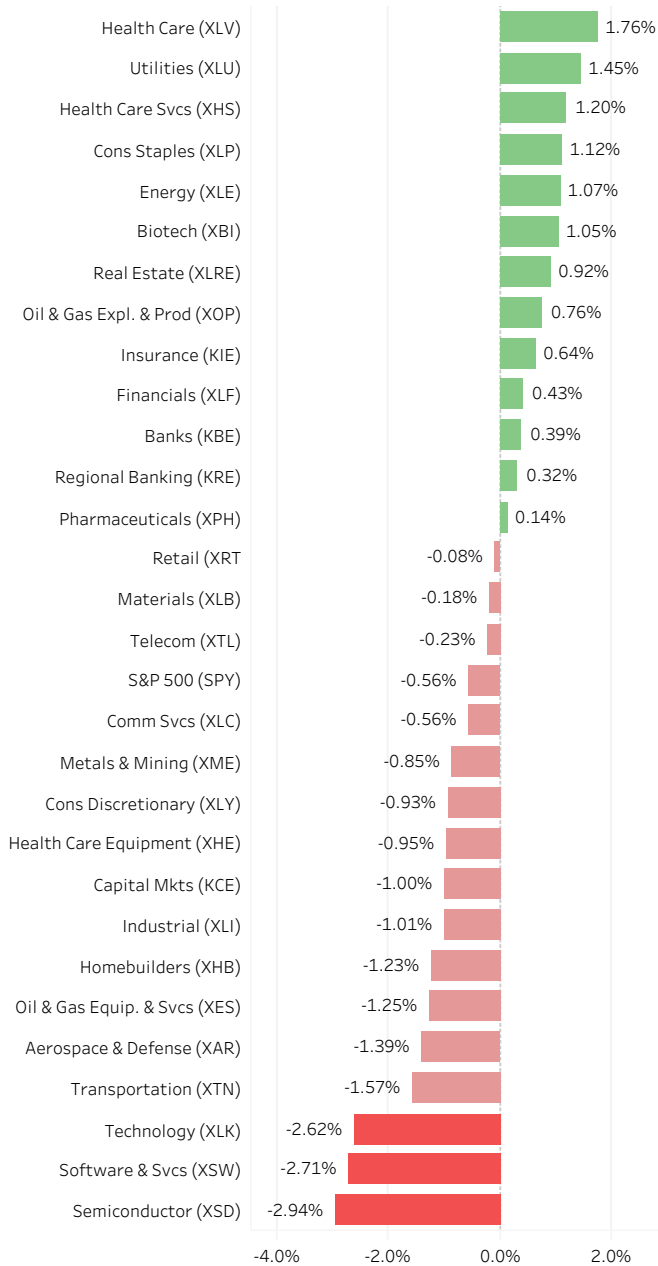
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.48B	\$19.27B	\$37.68B	\$38.10B	\$399.87B
IWM	iShares Russell 2000 ETF	\$1.42B	\$9.01B	\$8.78B	\$7.69B	\$67.85B
SPY	SPDR S&P 500 ETF Trust	\$1.22B	\$44.93B	\$39.04B	\$50.59B	\$493.54B
VTI	Vanguard Total Stock Market ETF	\$0.98B	\$7.48B	\$13.66B	\$21.90B	\$347.96B
QQQ	Invesco QQQ Trust Series I	\$0.70B	\$5.16B	\$6.50B	\$7.29B	\$230.07B
VOO	Vanguard S&P 500 ETF	\$0.59B	\$11.78B	\$21.29B	\$42.13B	\$372.05B
QQQM	Invesco NASDAQ 100 ETF	\$0.20B	\$2.08B	\$3.15B	\$8.41B	\$18.54B
VTV	Vanguard Value ETF	\$0.18B	(\$0.30B)	\$1.42B	\$0.44B	\$106.04B
IJH	iShares Core S&P Mid-Cap ETF	\$0.17B	(\$2.03B)	\$2.99B	\$3.67B	\$76.55B
CALF	Pacer US Small Cap Cash Cows 100 ETF	\$0.17B	\$2.38B	\$3.38B	\$4.30B	\$6.75B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWB	iShares Russell 1000 ETF	(\$0.22B)	(\$0.18B)	(\$0.65B)	(\$1.73B)	\$32.38B
IWD	iShares Russell 1000 Value ETF	(\$0.20B)	\$2.67B	\$1.57B	(\$3.78B)	\$55.07B
VV	Vanguard Large-Cap ETF	(\$0.08B)	\$0.30B	\$0.44B	\$0.44B	\$30.73B
IWF	iShares Russell 1000 Growth ETF	(\$0.08B)	\$2.75B	\$2.74B	(\$1.09B)	\$81.73B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.08B)	\$1.06B	\$0.17B	(\$0.97B)	\$32.46B
IJR	iShares Core S&P Small Cap ETF	(\$0.07B)	\$0.68B	\$1.79B	\$2.69B	\$76.91B
BBMC	JPMorgan BetaBuilders U.S. Mid Cap Equity E..	(\$0.07B)	(\$0.06B)	(\$0.21B)	\$0.01B	\$1.58B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.06B)	(\$0.59B)	(\$1.18B)	(\$2.52B)	\$8.00B
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity..	(\$0.06B)	\$0.10B	\$0.03B	\$0.24B	\$0.89B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.05B)	(\$0.04B)	\$0.03B	(\$0.42B)	\$20.56B

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

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)
XLF	Financial Select Sector SPDR Fund	0.00%	21.89%	6.68%	11.30%	70.68
XLV	Health Care Select Sector SPDR Fund	0.00%	12.70%	6.13%	5.47%	74.66
SPY	SPDR S&P 500 ETF Trust	-0.85%	22.65%	4.33%	8.21%	61.89
XLB	Materials Select Sector SPDR Fund	-0.95%	14.68%	5.19%	5.92%	62.23
XLI	Industrial Select Sector SPDR Fund	-1.13%	17.01%	5.61%	8.17%	62.01
XLC	Communication Services Select Sector SPDR Fund	-1.16%	41.03%	3.72%	10.37%	58.96
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.35%	30.55%	4.94%	8.92%	55.37
XLK	Technology Select Sector SPDR Fund	-2.92%	46.57%	2.65%	10.79%	46.63
XLRE	Real Estate Select Sector SPDR Fund	-3.35%	25.60%	9.47%	10.27%	68.78
XLP	Consumer Staples Select Sector SPDR Fund	-6.01%	10.00%	3.91%	0.42%	67.01
XLE	Energy Select Sector SPDR Fund	-9.23%	10.64%	0.46%	-0.02%	52.30
XLU	Utilities Select Sector SPDR Fund	-9.93%	14.34%	3.12%	-0.17%	59.73

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IHF	iShares U.S. Healthcare Providers ETF	1.80%
FTXG	First Trust Nasdaq Food & Beverage ETF	1.77%
XLV	Health Care Select Sector SPDR Fund	1.76%
FXG	First Trust Consumer Staples AlphaDEX Fund	1.65%
IBB	iShares Biotechnology ETF	1.63%
IYK	iShares U.S. Consumer Staples ETF	1.62%
IYH	iShares U.S. Healthcare ETF	1.57%
VHT	Vanguard Health Care ETF	1.55%
FHLC	Fidelity MSCI Health Care Index ETF	1.51%
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	1.46%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
RSPH	Invesco S&P 500 Equal Weight Health Care ETF	76.02
INDS	Pacer Industrial Real Estate ETF	74.84
VHT	Vanguard Health Care ETF	74.70
XLV	Health Care Select Sector SPDR Fund	74.66
FHLC	Fidelity MSCI Health Care Index ETF	74.61
IYH	iShares U.S. Healthcare ETF	73.79
IBB	iShares Biotechnology ETF	72.41
FXH	First Trust Health Care AlphaDEX Fund	72.29
PINK	Simplify Health Care ETF	72.25
XPH	SPDR S&P Pharmaceuticals ETF	71.98

Sector & Industry 1 Day Performance Laggards

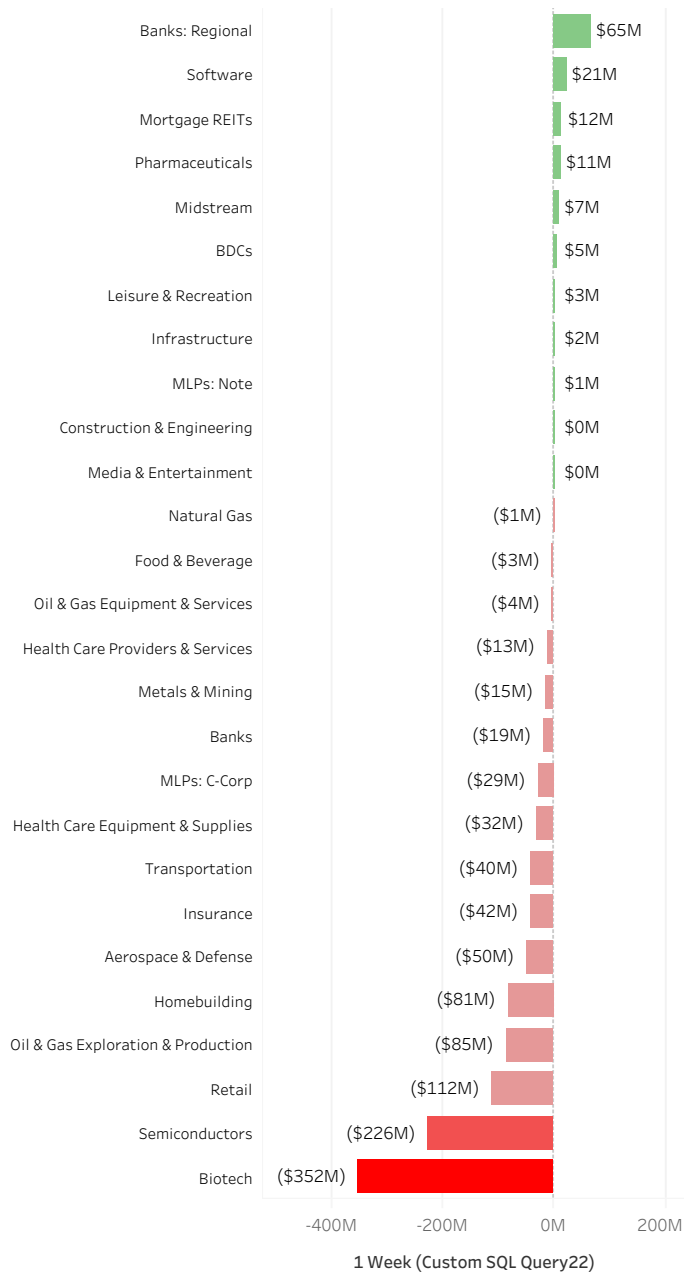
Ticker	Fund	1 Day Performance
PSI	Invesco Semiconductors ETF	-3.62%
SOXX	iShares Semiconductor ETF	-3.60%
SOXQ	Invesco PHLX Semiconductor ETF	-3.47%
FTXL	First Trust Nasdaq Semiconductor ETF	-3.24%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-3.09%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-3.01%
IGPT	Invesco AI and Next Gen Software ETF	-2.95%
XSD	SPDR S&P Semiconductor ETF	-2.94%
XNTK	SPDR NYSE Technology ETF	-2.78%
IGV	iShares Expanded Tech-Software Sector ETF	-2.78%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XLK	Technology Select Sector SPDR Fund	46.63
XES	SPDR S&P Oil & Gas Equipment & Services ETF	46.63
FTEC	Fidelity MSCI Information Technology Index ETF	46.90
PTF	Invesco Dorsey Wright Technology Momentum ETF	47.09
IGV	iShares Expanded Tech-Software Sector ETF	47.24
VGT	Vanguard Information Technology ETF	47.51
IYW	iShares U.S. Technology ETF	47.84
IEZ	iShares U.S. Oil Equipment & Services ETF	47.92
PXJ	Invesco Oil & Gas Services ETF	48.16
PSCE	Invesco S&P SmallCap Energy ETF	48.57

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

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$21B	\$163M	\$1,677M	\$1,973M	\$4,058M
Consumer Discretionary	12	\$29B	(\$31M)	\$8M	\$1,493M	\$3,252M
Consumer Staples	10	\$25B	(\$105M)	(\$2,613M)	(\$3,823M)	(\$3,563M)
Energy	30	\$71B	(\$318M)	(\$332M)	\$2,519M	(\$8,221M)
Financials	26	\$62B	\$137M	\$794M	(\$1,029M)	\$696M
Health Care	23	\$87B	(\$524M)	(\$3,520M)	(\$6,885M)	(\$10,330M)
Industrial	13	\$36B	(\$374M)	(\$409M)	\$175M	\$1,319M
Materials	9	\$12B	(\$1M)	(\$903M)	(\$1,812M)	(\$2,508M)
Multi-Sector	16	\$20B	(\$160M)	(\$181M)	\$328M	\$2,470M
Real Estate	25	\$61B	(\$69M)	\$2,052M	\$2,207M	(\$1,422M)
Technology	23	\$176B	(\$283M)	\$5,177M	\$5,717M	\$5,655M
Utilities	9	\$22B	(\$63M)	(\$933M)	(\$1,560M)	(\$1,574M)

U.S. Sector & Industry Flow Leaders

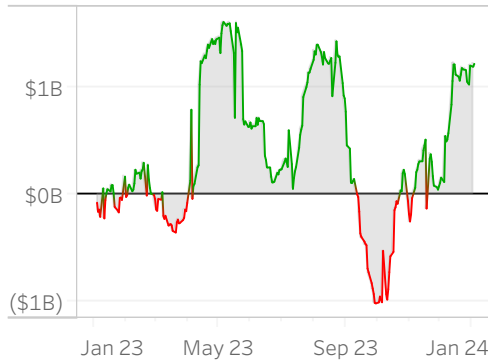
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLC	Communication Services Select Sector SPDR Fu..	\$171M	\$1,786M	\$1,720M	\$3,899M	\$16,430M
XLF	Financial Select Sector SPDR Fund	\$102M	(\$348M)	(\$1,826M)	(\$7M)	\$34,107M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$81M	\$355M	\$1,491M	\$2,086M	\$19,563M
KRE	SPDR S&P Regional Banking ETF	\$58M	\$906M	\$347M	\$1,538M	\$4,067M
VNQ	Vanguard Real Estate ETF	\$54M	(\$609M)	(\$287M)	(\$1,803M)	\$33,589M
IGV	iShares Expanded Tech-Software Sector ETF	\$21M	(\$99M)	(\$16M)	\$414M	\$7,462M
FNGS	MicroSectors FANG+ ETN	\$19M	\$37M	\$37M	\$89M	\$189M
QTEC	First Trust NASDAQ-100 Technology Sector Ind..	\$18M	\$65M	\$1,042M	\$1,093M	\$3,502M
VHT	Vanguard Health Care ETF	\$13M	(\$655M)	(\$613M)	(\$753M)	\$16,645M
RSPT	Invesco S&P 500 Equal Weight Technology ETF	\$10M	\$58M	\$157M	\$699M	\$3,574M

U.S. Sector & Industry Flow Laggards

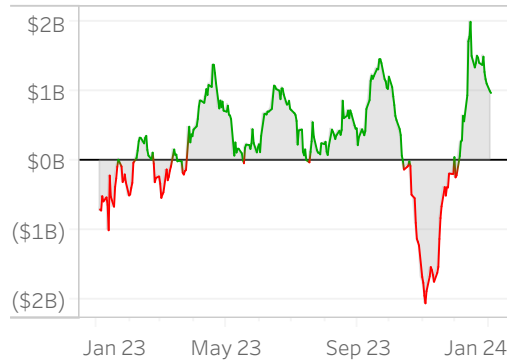
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	(\$299M)	\$180M	(\$43M)	(\$1,590M)	\$6,949M
XLI	Industrial Select Sector SPDR Fund	(\$285M)	(\$824M)	(\$394M)	(\$215M)	\$15,336M
SOXX	iShares Semiconductor ETF	(\$232M)	(\$30M)	\$78M	\$330M	\$10,221M
XLE	Energy Select Sector SPDR Fund	(\$155M)	(\$152M)	\$1,706M	(\$2,584M)	\$36,070M
XLV	Health Care Select Sector SPDR Fund	(\$150M)	(\$2,303M)	(\$4,390M)	(\$4,311M)	\$37,618M
XRT	SPDR S&P Retail ETF	(\$112M)	(\$35M)	(\$173M)	\$3M	\$365M
FDN	First Trust Dow Jones Internet Index Fund	(\$102M)	(\$525M)	(\$234M)	\$473M	\$5,847M
XLP	Consumer Staples Select Sector SPDR Fund	(\$97M)	(\$1,634M)	(\$1,585M)	(\$1,386M)	\$15,180M
ITB	iShares U.S. Home Construction ETF	(\$77M)	\$41M	(\$352M)	\$116M	\$2,430M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$76M)	\$253M	\$176M	(\$1,059M)	\$3,593M

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

Communication Services



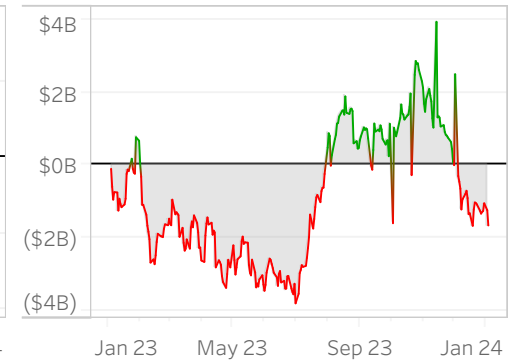
Consumer Discretionary



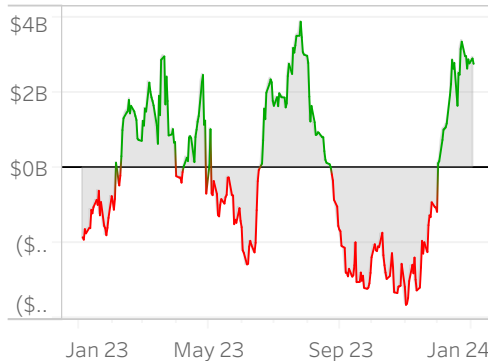
Consumer Staples



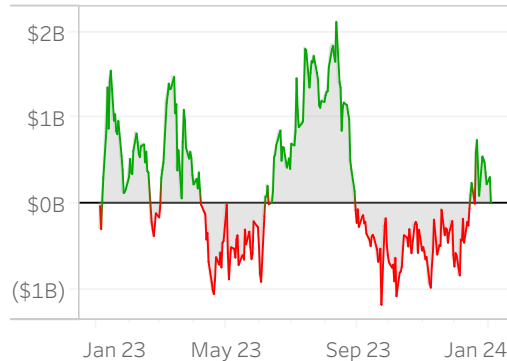
Energy



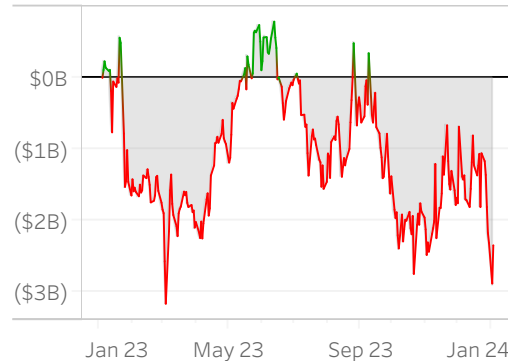
Financials



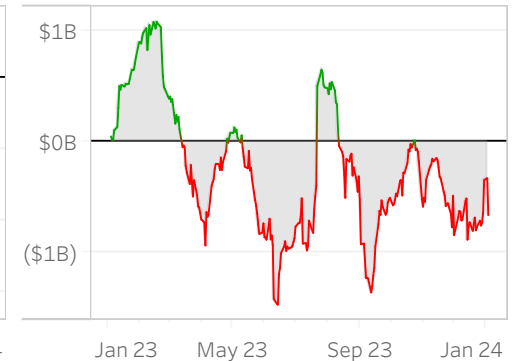
Industrial



Health Care



Materials



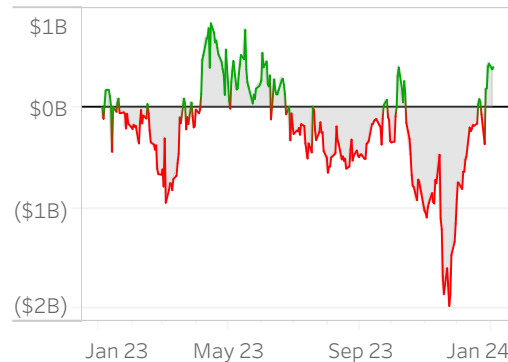
Real Estate



Technology



Utilities

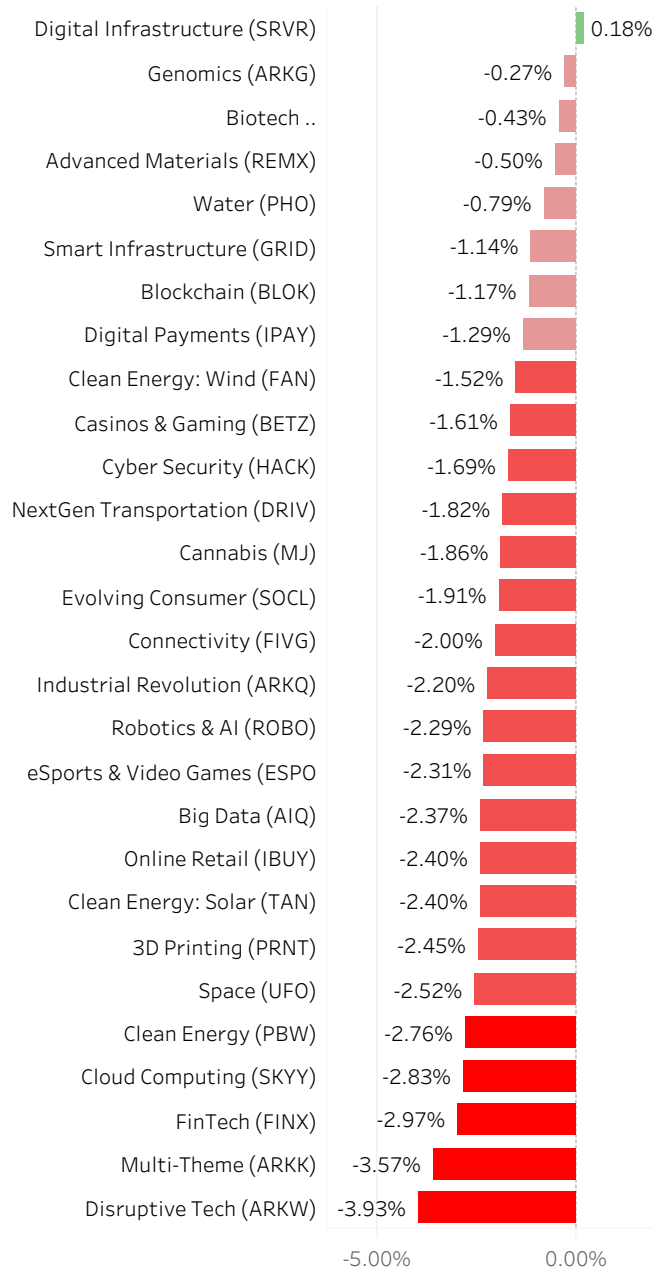


Multi-Sector

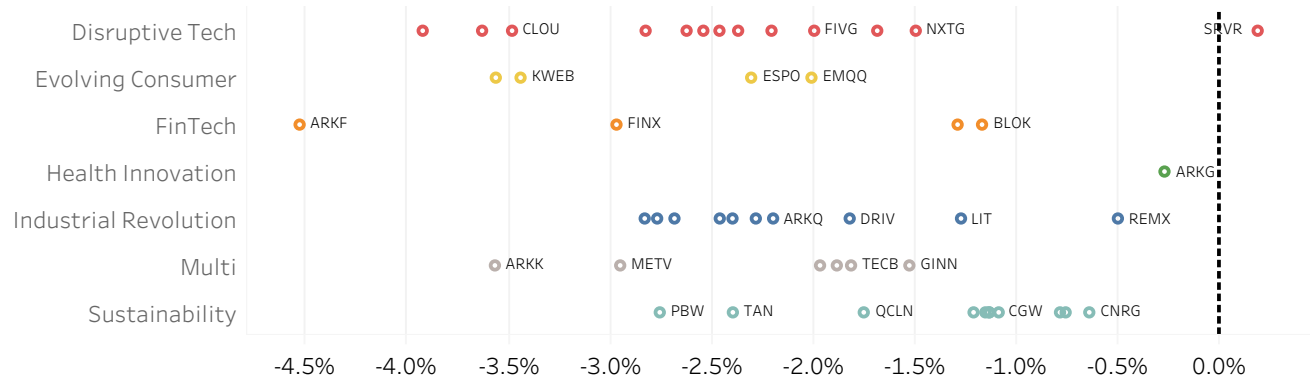


*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IDNA	iShares Genomics Immunology and Healthcare ETF	1.65%
GNOM	Global X Genomics & Biotechnology ETF	1.05%
AGNG	Global X Aging Population ETF	0.49%
SRVR	Pacer Data & Infrastructure Real Estate ETF	0.18%
ARKG	ARK Genomic Revolution ETF	-0.27%
HTEC	ROBO Global Healthcare Technology and Innovation ETF	-0.35%
SBIO	ALPS Medical Breakthroughs ETF	-0.43%
REMX	VanEck Rare Earth/Strategic Metals ETF	-0.50%
SAMT	Strategas Macro Thematic Opportunities ETF	-0.56%
CNRG	SPDR S&P Kensho Clean Power ETF	-0.64%

Thematic Most Overbought

Ticker	Fund	Price
AGNG	Global X Aging Population ETF	72.06
SBIO	ALPS Medical Breakthroughs ETF	70.43
IDNA	iShares Genomics Immunology and Healthcare ETF	68.56
PAWZ	ProShares Pet Care ETF	67.48
PIO	Invesco Global Water ETF	66.96
HTEC	ROBO Global Healthcare Technology and Innovation ETF	65.92
SRVR	Pacer Data & Infrastructure Real Estate ETF	65.61
PHO	Invesco Water Resources ETF	65.17
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	64.09
FIW	First Trust Water ETF	63.84

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KGRN	KraneShares MSCI China Clean Technology Index ETF	-4.65%
ARKF	ARK Fintech Innovation ETF	-4.53%
ARKW	ARK Next Generation Internet ETF	-3.93%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-3.79%
WCLD	WisdomTree Cloud Computing Fund	-3.63%
ARKK	ARK Innovation ETF	-3.57%
MSOS	AdvisorShares Pure US Cannabis ETF	-3.57%
CLOU	Global X Cloud Computing ETF	-3.49%
KWEB	KraneShares CSI China Internet ETF	-3.44%
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	-3.33%

Thematic Most Oversold

Ticker	Fund	Price
SAMT	Strategas Macro Thematic Opportunities ETF	42.60
KWEB	KraneShares CSI China Internet ETF	43.58
KGRN	KraneShares MSCI China Clean Technology Index ETF	44.18
HERO	Global X Video Games & Esports ETF	44.42
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	45.13
BATT	Amplify Lithium & Battery Technology ETF	46.00
ESPO	VanEck Video Gaming and eSports ETF	47.94
IDRV	iShares Self-driving EV & Tech ETF	49.17
GBUY	Goldman Sachs Future Consumer Equity ETF	49.53
SKYY	First Trust Cloud Computing ETF	49.66

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

Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	\$136M
TAN	Invesco Solar ETF	\$52M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$24M
ARKK	ARK Innovation ETF	\$23M
ICLN	iShares Global Clean Energy ETF	\$17M
ARKF	ARK Fintech Innovation ETF	\$16M
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	\$14M
WGMI	Valkyrie Bitcoin Miners ETF	\$12M
MSOS	AdvisorShares Pure US Cannabis ETF	\$8M
BKCH	Global X Blockchain ETF	\$6M

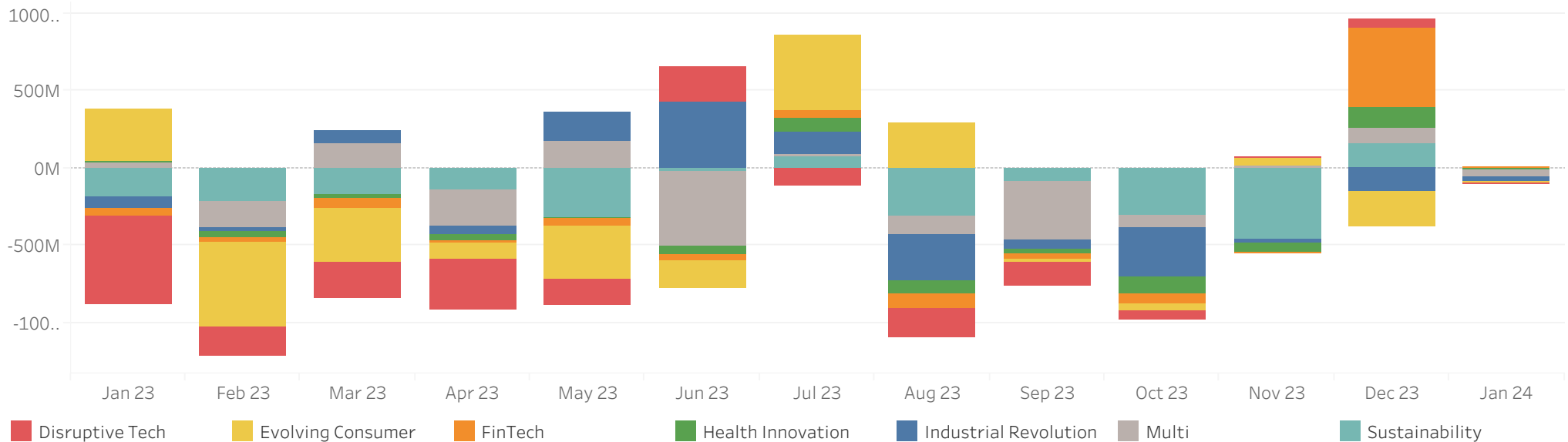
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKW	ARK Next Generation Internet ETF	(\$82M)
KWEB	KraneShares CSI China Internet ETF	(\$12M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$10M)
SKYY	First Trust Cloud Computing ETF	(\$9M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$9M)
LIT	Global X Lithium & Battery Tech ETF	(\$7M)
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	(\$6M)
WCLD	WisdomTree Cloud Computing Fund	(\$4M)
BATT	Amplify Lithium & Battery Technology ETF	(\$4M)

Thematic Landscape Assets & Flows

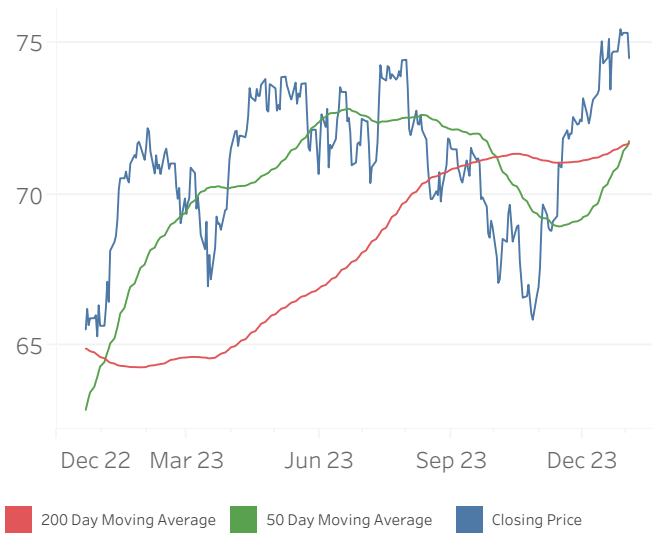
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	(\$80M)	(\$1M)	(\$451M)	(\$1,705M)
Evolving Consumer	37	\$8B	(\$11M)	(\$253M)	\$508M	(\$660M)
FinTech	17	\$4B	\$41M	\$452M	\$355M	\$121M
Health Innovation	17	\$3B	\$131M	(\$30M)	(\$34M)	(\$215M)
Industrial Revolution	30	\$11B	(\$23M)	(\$508M)	(\$761M)	(\$226M)
Multi	35	\$17B	(\$62M)	\$18M	(\$458M)	(\$1,031M)
Sustainability	40	\$14B	\$47M	(\$587M)	(\$938M)	(\$1,992M)
Grand Total	209	\$75B	\$43M	(\$908M)	(\$1,779M)	(\$5,708M)

Thematic Monthly Flows

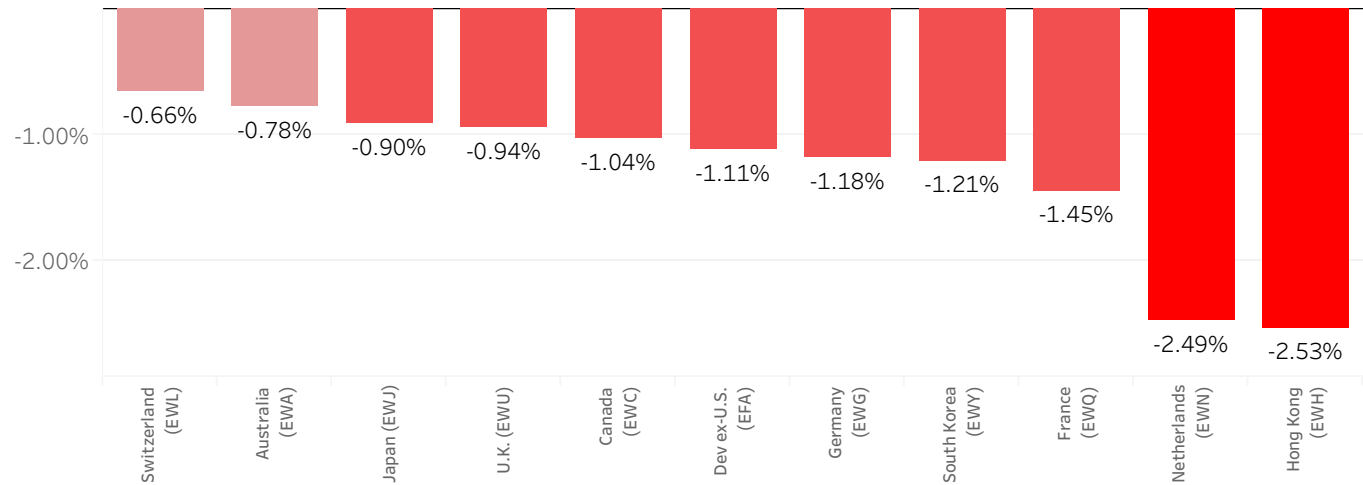


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

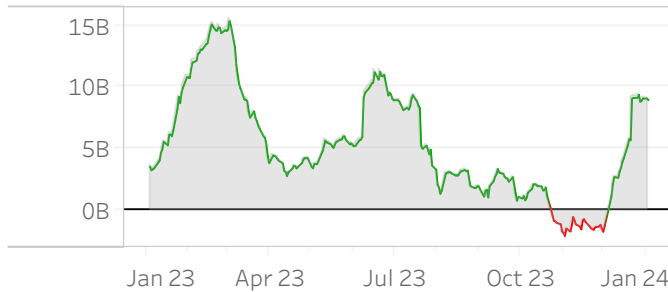
Developed ex-U.S. (EFA)



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



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



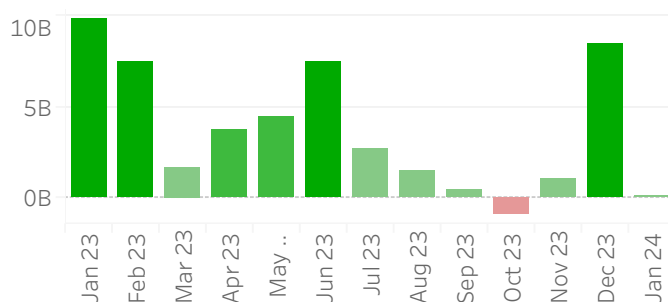
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EIS	iShares MSCI Israel ETF	0.65%
LVHI	Franklin International Low Volatility High Dividend Index ETF	0.29%
GREK	Global X MSCI Greece ETF	0.13%
DXJ	WisdomTree Japan Hedged Equity Fund	0.05%
HEFA	iShares Currency Hedged MSCI EAFE ETF	-0.06%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.12%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.19%
ISRA	VanEck Israel ETF	-0.19%
FJP	First Trust Japan AlphaDEX Fund	-0.20%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	-0.22%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EIS	iShares MSCI Israel ETF	71.05
EWL	iShares MSCI Switzerland ETF	67.42
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	66.04
FICS	First Trust International Developed Capital Strength ETF	65.29
EDEN	iShares MSCI Denmark ETF	65.15
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	64.60
DFJ	WisdomTree Japan SmallCap Dividend Fund	64.25
UIVM	VictoryShares International Value Momentum ETF	63.98
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	63.82
ISRA	VanEck Israel ETF	63.62

Developed ex-U.S. Monthly Flows



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

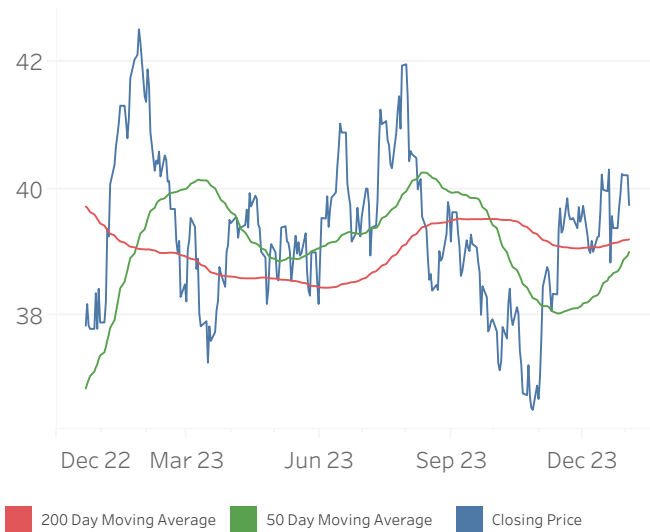
Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-2.53%
EWN	iShares MSCI Netherlands ETF	-2.49%
IEUS	iShares MSCI Europe Small-Cap ETF	-2.03%
EWD	iShares MSCI Sweden ETF	-2.00%
DFE	WisdomTree Europe SmallCap Dividend Fund	-2.00%
AIA	iShares Asia 50 ETF	-1.98%
NORW	Global X MSCI Norway ETF	-1.94%
EWS	iShares MSCI Singapore ETF	-1.71%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-1.70%
ISVL	iShares International Developed Small Cap Value Factor E..	-1.69%

Developed ex-U.S. Most Oversold

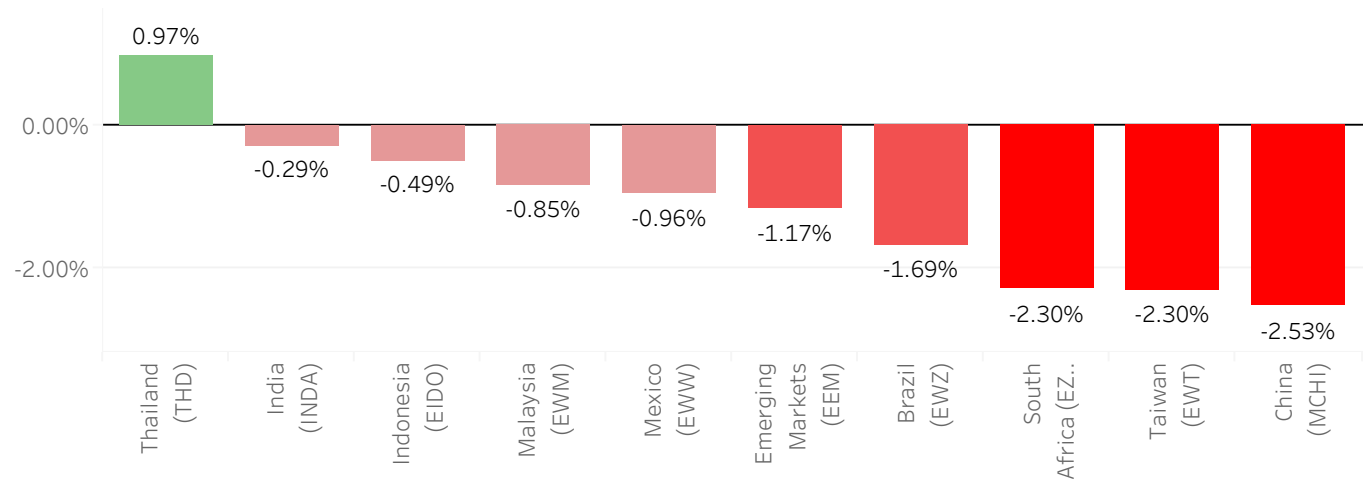
Ticker	Fund	Price
DXJ	WisdomTree Japan Hedged Equity Fund	45.53
HEWJ	iShares Currency Hedged MSCI Japan ETF	46.82
EWH	iShares MSCI Hong Kong ETF	47.09
AIA	iShares Asia 50 ETF	48.60
MINV	Matthews Asia Innovators Active ETF	48.90
GREK	Global X MSCI Greece ETF	49.62
PTIN	Pacer Trendpilot International ETF	49.62
IMOM	Alpha Architect International Quantitative Moment..	50.01
EWN	iShares MSCI Netherlands ETF	50.05
EWJV	iShares MSCI Japan Value ETF	50.08

*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



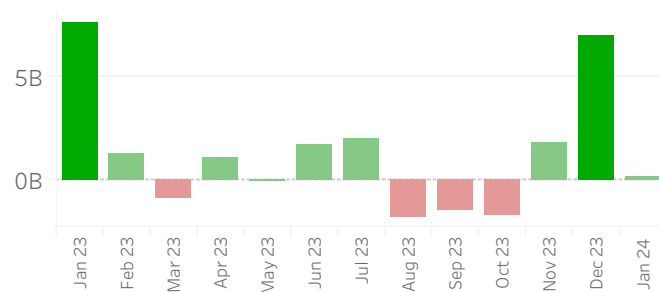
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
KSA	iShares MSCI Saudi Arabia ETF	1.61%
TUR	iShares MSCI Turkey ETF	1.15%
QAT	iShares MSCI Qatar ETF	1.10%
THD	iShares MSCI Thailand ETF	0.97%
SMIN	iShares MSCI India Small Cap ETF	0.49%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.46%
EPHE	iShares MSCI Philippines ETF	0.27%
EPI	WisdomTree India Earnings Fund	0.12%
FLIN	Franklin FTSE India ETF	-0.09%
INDY	iShares India 50 ETF	-0.20%

Emerging Most Overbought

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	76.15
KSA	iShares MSCI Saudi Arabia ETF	75.66
EPI	WisdomTree India Earnings Fund	67.53
NFTY	First Trust India NIFTY 50 Equal Weight ETF	67.36
INDY	iShares India 50 ETF	66.20
SMIN	iShares MSCI India Small Cap ETF	65.54
EPHE	iShares MSCI Philippines ETF	65.42
FLIN	Franklin FTSE India ETF	65.14
INDA	iShares MSCI India ETF	65.10
EPU	iShares MSCI Peru and Global Exposure ETF	64.26

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.85%
PGJ	Invesco Golden Dragon China ETF	-3.42%
FXI	iShares China Large-Cap ETF	-3.29%
EPOL	iShares MSCI Poland ETF	-3.18%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-3.03%
MCHI	iShares MSCI China ETF	-2.53%
FLCH	Franklin FTSE China ETF	-2.43%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-2.41%
GXC	SPDR S&P China ETF	-2.35%
FLTW	Franklin FTSE Taiwan ETF	-2.35%

Emerging Most Oversold

Ticker	Fund	Value
EWT	iShares MSCI Taiwan ETF	38.56
CNYA	iShares MSCI China A ETF	38.75
FXI	iShares China Large-Cap ETF	40.20
MCHI	iShares MSCI China ETF	41.19
TUR	iShares MSCI Turkey ETF	41.27
FLCH	Franklin FTSE China ETF	41.82
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	42.03
ECNS	iShares MSCI China Small-Cap ETF	42.04
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	42.42
VNM	VanEck Vietnam ETF	42.60

* 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	-0.47%	2.31%	-0.47%
SHY	1-3 Year Treasury Bonds	-0.12%	0.69%	-0.12%
IEF	7-10 Year Treasury Bonds	-0.37%	2.42%	-0.37%
TLT	20+ Year Treasury Bonds	-0.58%	6.05%	-0.58%
TIP	TIPS Bonds	-0.14%	1.77%	-0.14%
FLOT	Floating Rate Bonds	0.04%	0.50%	0.04%
LQD	Investment Grade Corporate	-0.68%	2.92%	-0.68%
HYG	High Yield Corporate	-0.34%	2.00%	-0.34%
BKLN	Senior Loan	-0.05%	2.00%	-0.05%
PFF	Preferred & Income Securities	-0.13%	1.70%	-0.13%
MUB	Municipal Bonds	-0.14%	1.55%	-0.14%
MBB	MBS	-0.58%	2.55%	-0.58%
EMB	Dollar Denominated EM Bonds	-0.99%	1.95%	-0.99%
LEMB	Local Currency EM Bond	-0.52%	1.96%	-0.52%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.69%	-3.45%	-0.69%
DBE	Energy	-0.52%	-4.98%	-0.52%
USO	WTI Crude Oil	-1.32%	-5.01%	-1.32%
BNO	Brent Crude Oil	-1.14%	-3.74%	-1.14%
UNG	Natural Gas	2.37%	-4.77%	2.37%
UGA	Gasoline	-0.44%	-1.50%	-0.44%
DBP	Precious Metals	-0.22%	-2.24%	-0.22%
GLD	Gold	-0.24%	-0.67%	-0.24%
SLV	Silver	-0.60%	-7.20%	-0.60%
PPLT	abrdn Physical Platin..	-0.81%	4.86%	-0.81%
PALL	abrdn Physical Palla..	-1.29%	7.88%	-1.29%
DBB	Base Metals	-1.75%	2.84%	-1.75%
CPER	Copper	-0.79%	-1.20%	-0.79%
DBA	Agriculture	-0.24%	-1.75%	-0.24%
CORN	Corn	-1.11%	-3.22%	-1.11%
SOYB	Soybeans	-1.71%	-5.11%	-1.71%
WEAT	Wheat	-2.68%	0.87%	-2.68%
CANE	Sugar	0.73%	-13.00%	0.73%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.85%	-0.46%	0.85%
UDN	Short Dollar	-0.76%	1.19%	-0.76%
FXE	Euro	-0.85%	0.81%	-0.85%
FXB	British Pound Sterling	-0.95%	-0.40%	-0.95%
FXF	Swiss Franc	-1.07%	2.26%	-1.07%
FXJ	Japanese Yen	-0.76%	3.32%	-0.76%
FXC	Canadian Dollar	-0.64%	1.31%	-0.64%
FXA	Australian Dollar	-0.86%	1.33%	-0.86%

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

Disclaimer of Warranties

Except for the express warranties set forth in the terms of service, all services, including all ETF Action materials, are provided on an “as is,” “where is” basis, and ETF Action and its licensors disclaim all representations or warranties, express or implied as to the services. ETF Action and its licensors specifically disclaim all implied warranties of merchantability, fitness for a particular purpose, title and non-infringement, and all warranties arising from course of dealing, usage or trade practice. Without limiting the foregoing, ETF Action and its licensors make no warranty of any kind that the services or ETF Action materials, or any products or results of the use thereof, will meet customer’s or any other person’s requirements, operate without interruption, achieve any intended result, be compatible or work with any software, system or other services, or be secure, accurate, complete, timely, free of harmful code or error free. All third-party materials are provided “as is” and any representation or warranty of or concerning any third-party materials is strictly between customer and the third-party owner or distributor of the third-party materials.

Additional Disclaimers

The services are not intended and should not be construed as financial or investment advice, a recommendation or promotion. Neither ETF Action nor its licensors shall be responsible for investment decisions, damages, or other losses *resulting from use of the services*. *Past performance* does not guarantee future performance. Neither ETF Action nor its licensors shall be considered an “expert” under the securities act of 1933. Neither ETF Action nor its licensors warrant that the services comply with the requirements of the NASD or any similar organization or with the securities laws of any jurisdiction. Any information contained in the services should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Distribution prohibited without prior permission. Full terms of service, including terms of use, copyrights, and disclaimers are available at <https://www.etfaction.com/terms>.

© Copyright ETF Action, Inc. All Rights Reserved.

Data Reliability and Definitions

ETF Action, LLC believes the information herein to be accurate (at time of publication) and was obtained from reliable sources, but makes no guarantees with respect to its accuracy. Calculations of fundamental data are based on weighted averages of reported results and consensus estimates of current ETF constituents. Valuation data (price/earnings, price/sales, price/cash flow, price/book value) are calculated using per share data divided by current NAV of corresponding ETF. Performance, risk and technical data (moving averages, relative performance, RSI) calculated for specified periods using ETF market price which may differ from net asset value (NAV).

ETF Action Sector Beta Composites represent ETFs that meet stringent criteria surrounding index methodology, liquidity, assets under management, and management fee.

Source Data & ETF Issuer Information ..

ETF Action is an independent technology and research firm focused on helping advisors build better portfolios, create engaging experiences with their clients, and navigate the vast ETF landscape.

Contact us at:

team@etfaction.com

www.etfaction.com