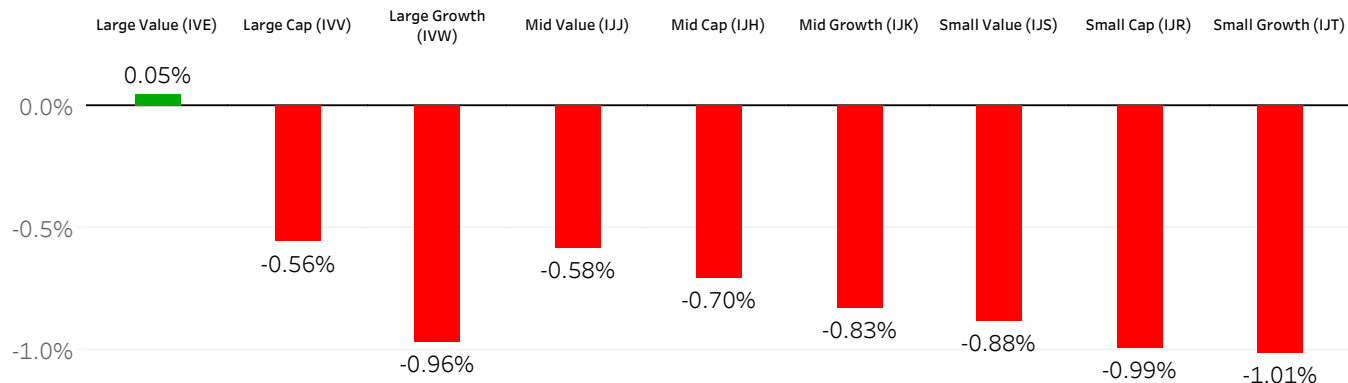


### Large Cap Blend (S&P 500) IVV



### U.S. Size & Style 1-Day Performance



### Mid Cap Blend (S&P 400) IJH



### Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
DURA	VanEck Durable High Dividend ETF	0.41%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.29%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	0.26%
SPLV	Invesco S&P 500 Low Volatility ETF	0.26%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	0.23%
FVD	First Trust Value Line Dividend Index Fund	0.12%
EDOW	First Trust Dow 30 Equal Weight ETF	0.11%
VSDA	VictoryShares Dividend Accelerator ETF	0.10%
ABEQ	Absolute Select Value ETF	0.10%
SPDV	AAM S&P 500 High Dividend Value ETF	0.10%

### Size & Style Most Overbought

Ticker	Fund	Value
SPMO	Invesco S&P 500 Momentum ETF	66.84
XMMO	Invesco S&P MidCap Momentum ETF	64.78
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	64.62
XMHQ	Invesco S&P MidCap Quality ETF	64.41
DUSA	Davis Select U.S. Equity ETF	64.00
JMOM	JPMorgan U.S. Momentum Factor ETF	62.98
MGV	Vanguard Mega Cap Value ETF	62.75
SEIM	SEI Enhanced U.S. Large Cap Momentum Factor ETF	62.63
IWX	iShares Russell Top 200 Value ETF	62.52
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	62.34

### Small Cap Blend (S&P 600) IJR



### Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
FFTY	Innovator IBD 50 ETF	-3.04%
IPO	Renaissance IPO ETF	-1.92%
AIEQ	Amplify AI Powered Equity ETF	-1.83%
IWC	iShares Micro-Cap ETF	-1.82%
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	-1.80%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-1.71%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-1.71%
GSSC	Goldman Sachs Activebeta U.S. Small Cap Equity ETF	-1.70%
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	-1.62%
FPX	First Trust US Equity Opportunities ETF	-1.61%

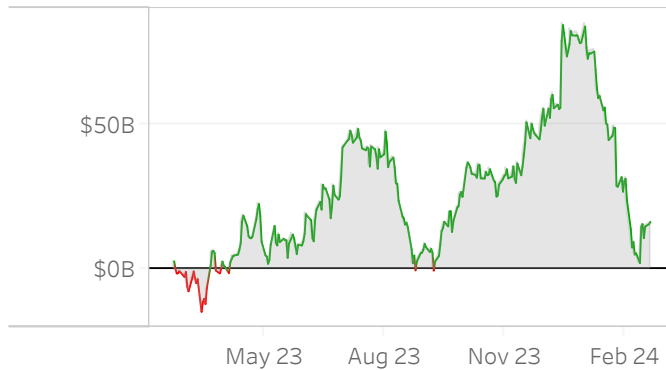
### Size & Style Most Oversold

Ticker	Fund	Value
PEY	Invesco High Yield Equity Dividend Achievers ETF	40.96
ACSI	American Customer Satisfaction ETF	44.58
DIV	Global X SuperDividend US ETF	44.90
RFV	Invesco S&P Midcap 400 Pure Value ETF	45.87
MGMT	Ballast Small/Mid Cap ETF	46.18
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	46.45
SVAL	iShares US Small Cap Value Factor ETF	47.94
OMFS	Invesco Russell 2000 Dynamic Multifactor ETF	48.03
SIXS	ETC 6 Meridian Small Cap Equity ETF	48.37
FDRR	Fidelity Dividend ETF for Rising Rates	48.93

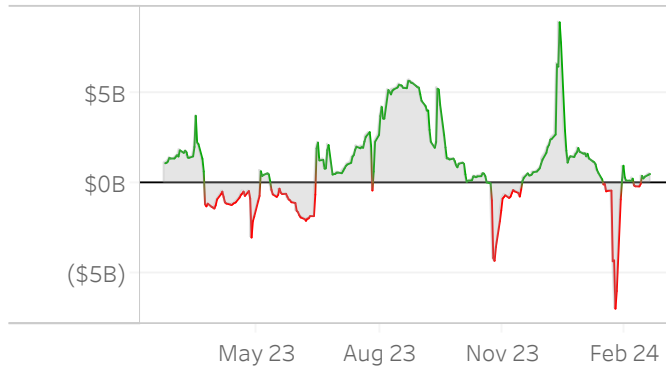
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

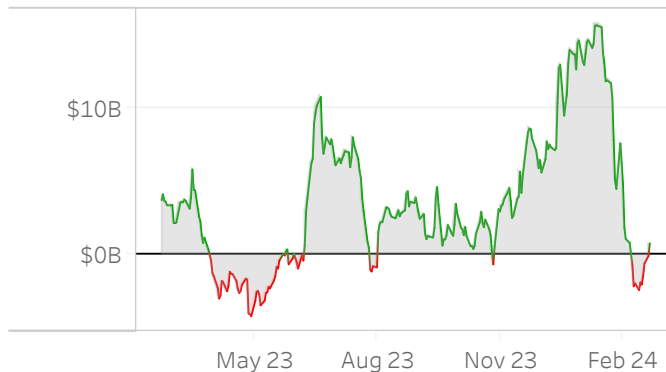
### Large-Cap 30-Day Rolling Flows



### 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	\$1,774B	(\$3.05B)	\$67.58B	\$125.23B	\$174.00B
Large Cap, Beta, Beta: Growth	10	\$345B	\$0.66B	\$4.12B	\$15.66B	\$20.68B
Large Cap, Beta, Beta: Value	11	\$249B	\$1.16B	\$5.83B	\$7.79B	\$0.02B
Mid Cap, Beta, Beta	10	\$216B	\$0.06B	\$1.12B	\$2.63B	\$7.56B
Mid Cap, Beta, Beta: Growth	6	\$41B	(\$0.06B)	\$0.23B	\$0.37B	\$1.44B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.00B	(\$0.97B)	(\$2.09B)	(\$3.70B)
Small Cap, Beta, Beta	11	\$231B	\$1.93B	\$5.59B	\$10.99B	\$15.62B
Small Cap, Beta, Beta: Growth	7	\$39B	\$0.23B	\$1.26B	\$2.09B	\$2.28B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.22B	\$0.42B	\$0.09B	(\$1.87B)

### U.S. Size & Style Flow Leaders

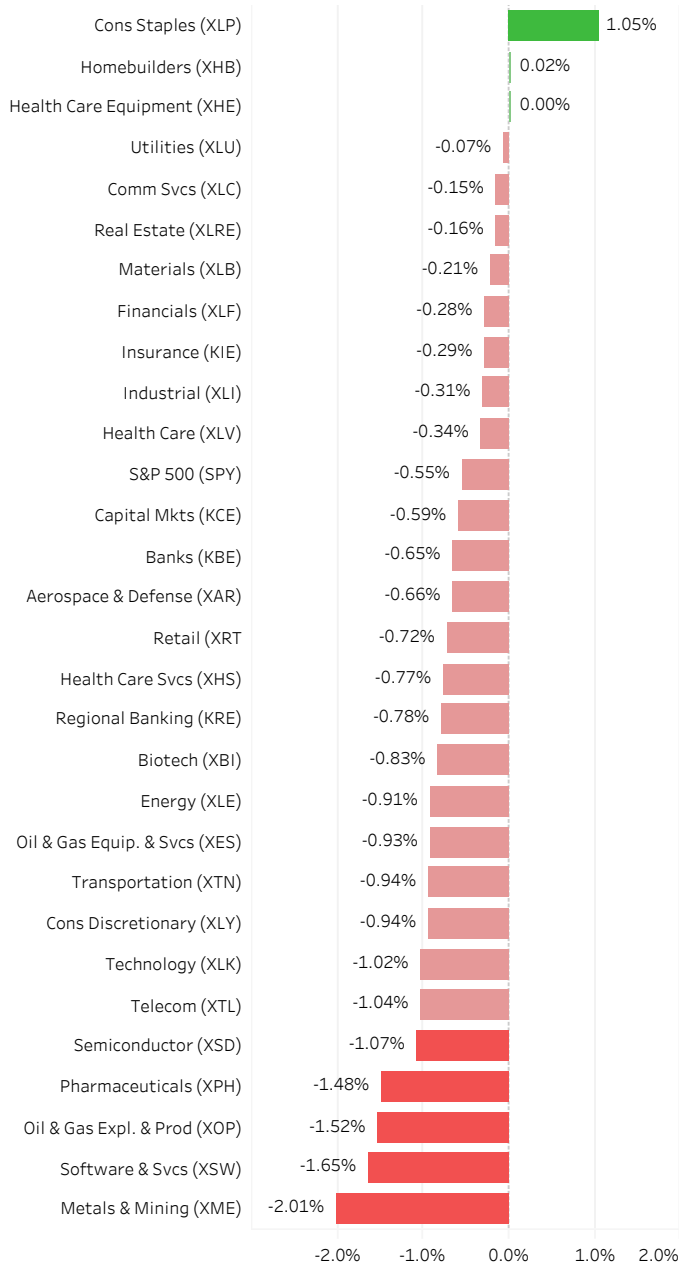
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.23B	\$22.23B	\$38.87B	\$52.69B	\$434.90B
VB	Vanguard Small-Cap ETF	\$0.87B	\$2.62B	\$3.05B	\$3.89B	\$52.89B
VTV	Vanguard Value ETF	\$0.64B	\$0.94B	\$0.21B	(\$2.99B)	\$108.93B
VUG	Vanguard Growth ETF	\$0.62B	\$2.08B	\$4.49B	\$4.41B	\$113.42B
IWM	iShares Russell 2000 ETF	\$0.60B	(\$1.65B)	\$2.32B	\$1.52B	\$61.06B
VOO	Vanguard S&P 500 ETF	\$0.44B	\$18.48B	\$31.21B	\$55.03B	\$406.56B
VTWO	Vanguard Russell 2000 ETF	\$0.37B	\$1.41B	\$1.78B	\$2.01B	\$8.70B
IWD	iShares Russell 1000 Value ETF	\$0.34B	(\$1.49B)	(\$0.57B)	(\$3.39B)	\$53.17B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.29B	\$6.03B	\$8.54B	\$10.70B	\$31.26B
CALF	Pacer US Small Cap Cash Cows 100 ETF	\$0.17B	\$3.13B	\$4.55B	\$5.70B	\$8.53B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	(\$1.78B)	\$8.21B	\$14.44B	\$23.13B	\$368.57B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$1.16B)	(\$6.01B)	(\$5.85B)	(\$7.10B)	\$25.08B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.51B)	\$3.45B	\$2.96B	\$9.64B	\$49.08B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.45B)	(\$0.09B)	(\$0.30B)	(\$0.76B)	\$32.58B
QQQ	Invesco QQQ Trust Series I	(\$0.37B)	\$2.13B	\$12.46B	\$15.72B	\$247.02B
IWB	iShares Russell 1000 ETF	(\$0.26B)	(\$0.79B)	(\$0.78B)	(\$1.06B)	\$33.79B
DFUV	Dimensional US Marketwide Value ETF	(\$0.24B)	\$0.14B	\$0.23B	\$0.51B	\$9.83B
IWF	iShares Russell 1000 Growth ETF	(\$0.08B)	(\$0.58B)	\$2.42B	\$1.95B	\$86.25B
OEF	iShares S&P 100 ETF	(\$0.07B)	(\$1.91B)	\$1.05B	\$1.05B	\$11.14B
SUSL	iShares ESG MSCI USA Leaders ETF	(\$0.06B)	(\$0.16B)	(\$0.12B)	(\$2.39B)	\$1.13B

\* 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)
XLV	Health Care Select Sector SPDR Fund	-0.34%	17.86%	3.93%	9.03%	68.51
XLF	Financial Select Sector SPDR Fund	-0.63%	27.57%	3.60%	12.97%	63.27
XLI	Industrial Select Sector SPDR Fund	-0.91%	22.00%	3.37%	10.08%	62.77
SPY	SPDR S&P 500 ETF Trust	-1.05%	28.91%	2.99%	10.38%	58.30
XLB	Materials Select Sector SPDR Fund	-1.42%	14.14%	1.35%	4.66%	59.25
XLC	Communication Services Select Sector SPDR Fund	-1.71%	50.84%	5.00%	14.96%	58.37
XLY	Consumer Discretionary Select Sector SPDR Fund	-2.25%	28.31%	0.49%	5.77%	52.10
XLK	Technology Select Sector SPDR Fund	-3.53%	47.68%	2.12%	12.79%	49.71
XLP	Consumer Staples Select Sector SPDR Fund	-4.45%	11.82%	2.15%	2.87%	59.76
XLRE	Real Estate Select Sector SPDR Fund	-5.46%	18.95%	-1.93%	3.64%	48.37
XLE	Energy Select Sector SPDR Fund	-9.18%	10.71%	1.43%	0.05%	55.41
XLU	Utilities Select Sector SPDR Fund	-12.55%	8.90%	-1.79%	-3.08%	49.02

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ..	1.12%
FTXG	First Trust Nasdaq Food & Beverage ETF	1.05%
XLP	Consumer Staples Select Sector SPDR Fund	1.05%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST..	1.01%
VDC	Vanguard Consumer Staples ETF	0.99%
AMLP	Alerian MLP ETF	0.89%
IYK	iShares U.S. Consumer Staples ETF	0.83%
MLPA	Global X MLP ETF	0.76%
FXG	First Trust Consumer Staples AlphaDEX Fund	0.74%
IHI	iShares U.S. Medical Devices ETF	0.60%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PINK	Simplify Health Care ETF	76.36
KBWP	Invesco KBW Property & Casualty Insurance ETF	72.95
IAK	iShares U.S. Insurance ETF	69.72
IHE	iShares U.S. Pharmaceuticals ETF	69.32
XLV	Health Care Select Sector SPDR Fund	68.51
IYH	iShares U.S. Healthcare ETF	68.47
KIE	SPDR S&P Insurance ETF	68.39
PPA	Invesco Aerospace & Defense ETF	67.79
VHT	Vanguard Health Care ETF	67.05
FHLC	Fidelity MSCI Health Care Index ETF	66.12

### Sector & Industry 1 Day Performance Laggards

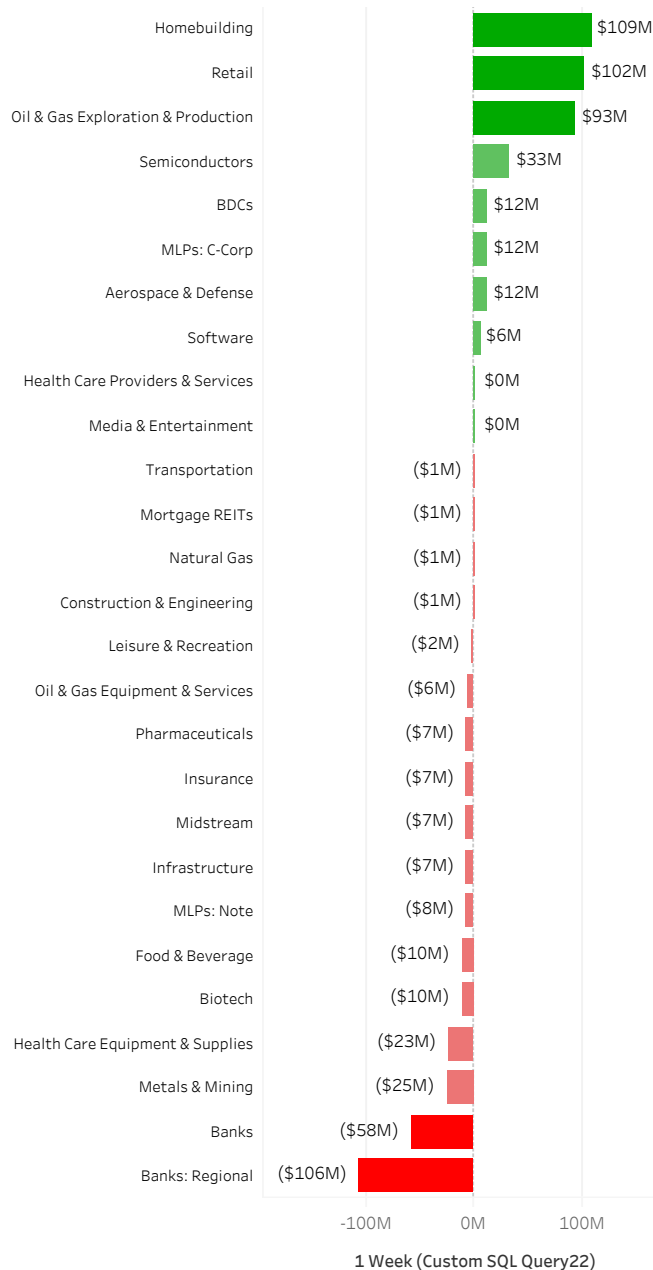
Ticker	Fund	1 Day Performance
PSI	Invesco Semiconductors ETF	-2.75%
PTF	Invesco Dorsey Wright Technology Momentum ETF	-2.42%
PSCT	Invesco S&P SmallCap Information Technology ETF	-2.21%
PTH	Invesco Dorsey Wright Healthcare Momentum ETF	-2.13%
XME	SPDR S&P Metals & Mining ETF	-2.01%
AIRR	First Trust RBA American Industrial Renaissance ETF	-1.77%
SOXX	iShares Semiconductor ETF	-1.68%
XNTK	SPDR NYSE Technology ETF	-1.66%
XSW	SPDR S&P Software & Services ETF	-1.65%
PSCE	Invesco S&P SmallCap Energy ETF	-1.58%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	36.05
KBWD	Invesco KBW High Dividend Yield Financial ETF	39.45
KBWY	Invesco KBW Premium Yield Equity REIT ETF	39.72
NETL	NETLease Corporate Real Estate ETF	40.67
RIET	Hoya Capital High Dividend Yield ETF	41.09
XTL	SPDR S&P Telecom ETF	43.08
REM	iShares Mortgage Real Estate ETF	43.08
XME	SPDR S&P Metals & Mining ETF	43.90
MORT	VanEck Mortgage REIT Income ETF	44.36
RSPR	Invesco S&P 500 Equal Weight Real Estate ETF	44.52

\* 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	\$23B	(\$1M)	\$975M	\$460M	\$3,621M
Consumer Discretionary	12	\$30B	\$237M	\$1,858M	\$1,753M	\$3,828M
Consumer Staples	10	\$25B	(\$478M)	(\$2,145M)	(\$5,241M)	(\$4,511M)
Energy	30	\$71B	(\$108M)	(\$2,831M)	(\$366M)	(\$7,139M)
Financials	26	\$64B	(\$30M)	\$2,405M	(\$2,020M)	(\$1,687M)
Health Care	23	\$92B	(\$327M)	(\$1,514M)	(\$4,885M)	(\$8,591M)
Industrial	13	\$38B	(\$5M)	\$938M	(\$258M)	\$1,336M
Materials	9	\$11B	(\$181M)	(\$1,096M)	(\$1,871M)	(\$4,106M)
Multi-Sector	16	\$21B	\$117M	\$227M	(\$93M)	\$2,956M
Real Estate	25	\$58B	\$37M	\$1,616M	\$1,278M	(\$945M)
Technology	23	\$189B	(\$42M)	\$5,021M	\$10,005M	\$10,452M
Utilities	9	\$19B	(\$224M)	(\$1,261M)	(\$2,684M)	(\$3,043M)

### U.S. Sector & Industry Flow Leaders

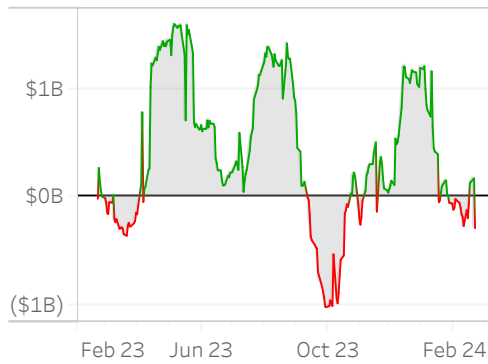
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FENY	Fidelity MSCI Energy Index ETF	\$194M	\$63M	\$109M	\$32M	\$1,660M
XLF	Financial Select Sector SPDR Fund	\$170M	\$2,199M	(\$1,059M)	\$250M	\$37,131M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$134M	\$1,473M	\$1,909M	\$2,733M	\$20,158M
VNQ	Vanguard Real Estate ETF	\$110M	\$461M	(\$363M)	(\$1,272M)	\$32,680M
IYW	iShares U.S. Technology ETF	\$106M	\$614M	\$1,755M	\$1,091M	\$15,387M
ITB	iShares U.S. Home Construction ETF	\$104M	\$140M	(\$59M)	\$340M	\$2,542M
XRT	SPDR S&P Retail ETF	\$102M	(\$136M)	(\$25M)	(\$109M)	\$430M
XBI	SPDR S&P BIOTECH ETF	\$98M	(\$496M)	(\$90M)	(\$1,191M)	\$7,166M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$90M	\$126M	\$19M	(\$291M)	\$3,623M
SOXX	iShares Semiconductor ETF	\$31M	\$509M	\$686M	\$1,095M	\$11,904M

### U.S. Sector & Industry Flow Laggards

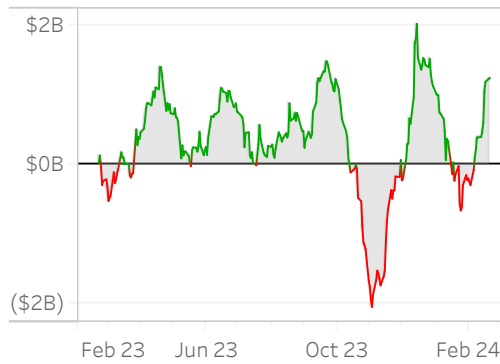
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$355M)	(\$2,444M)	(\$542M)	(\$3,699M)	\$35,622M
XLP	Consumer Staples Select Sector SPDR Fund	(\$328M)	(\$1,420M)	(\$2,558M)	(\$1,930M)	\$14,736M
XLV	Health Care Select Sector SPDR Fund	(\$282M)	(\$753M)	(\$2,714M)	(\$3,415M)	\$40,824M
XLB	Materials Select Sector SPDR Fund	(\$138M)	(\$784M)	(\$900M)	(\$1,372M)	\$4,856M
VDC	Vanguard Consumer Staples ETF	(\$136M)	(\$291M)	(\$722M)	(\$494M)	\$6,287M
IYR	iShares U.S. Real Estate ETF	(\$117M)	\$33M	\$88M	(\$309M)	\$3,086M
XLU	Utilities Select Sector SPDR Fund	(\$108M)	(\$1,151M)	(\$1,793M)	(\$1,725M)	\$12,092M
IBB	iShares Biotechnology ETF	(\$102M)	\$28M	(\$354M)	(\$1,116M)	\$7,440M
KRE	SPDR S&P Regional Banking ETF	(\$100M)	(\$298M)	(\$203M)	\$810M	\$2,807M
FUTY	Fidelity MSCI Utilities Index ETF	(\$91M)	(\$250M)	(\$629M)	(\$924M)	\$1,085M

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

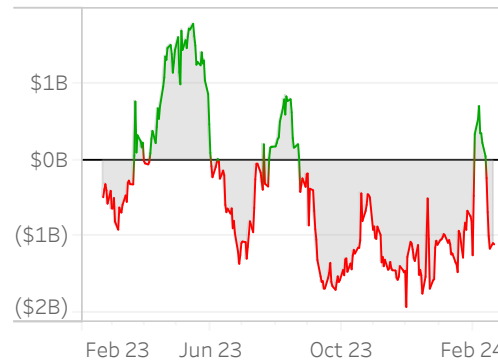
Communication Services



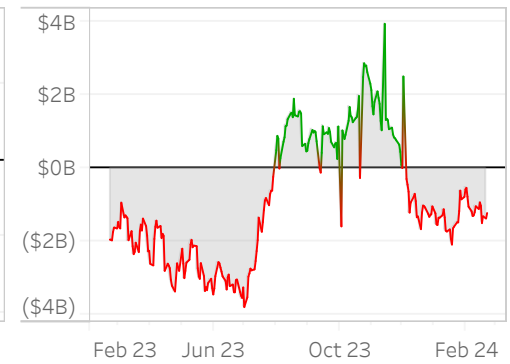
Consumer Discretionary



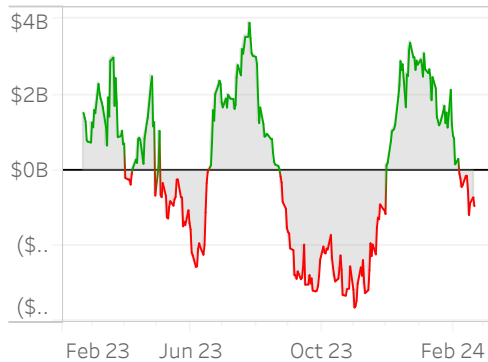
Consumer Staples



Energy



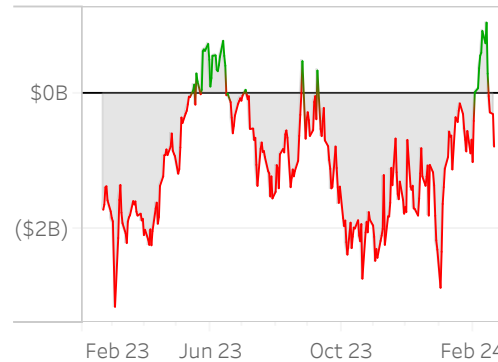
Financials



Industrial



Health Care



Materials



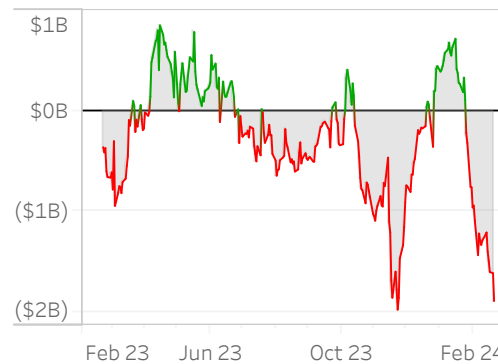
Real Estate



Technology



Utilities

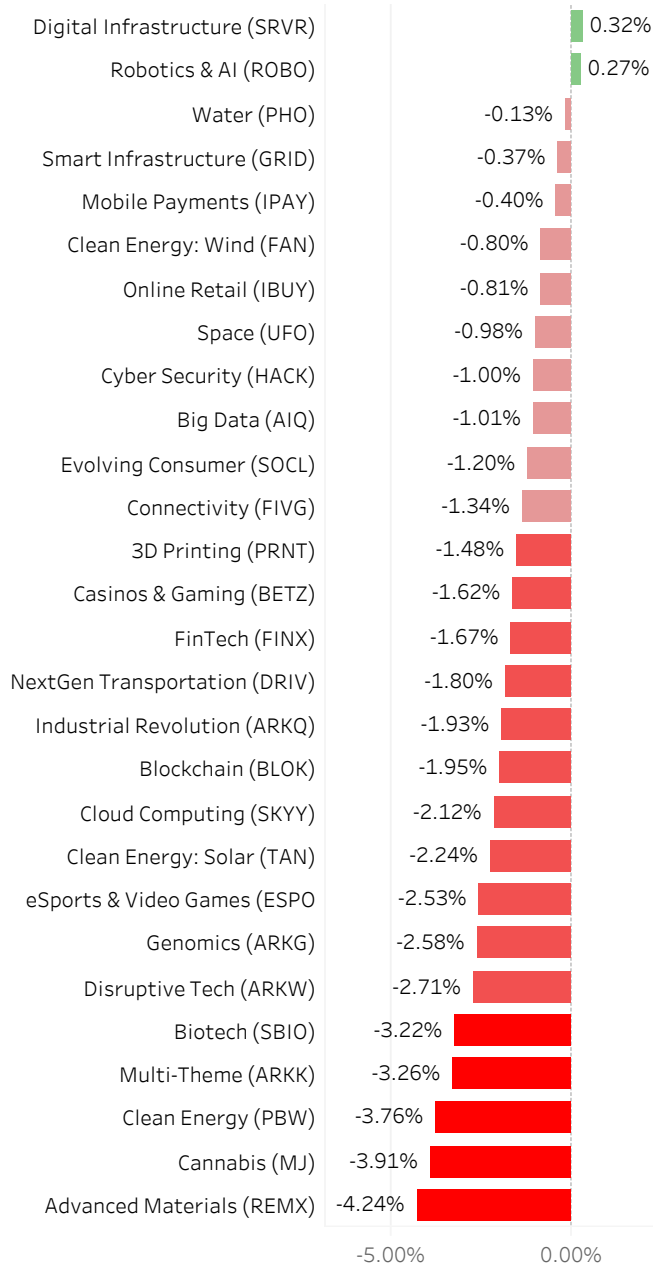


Multi-Sector

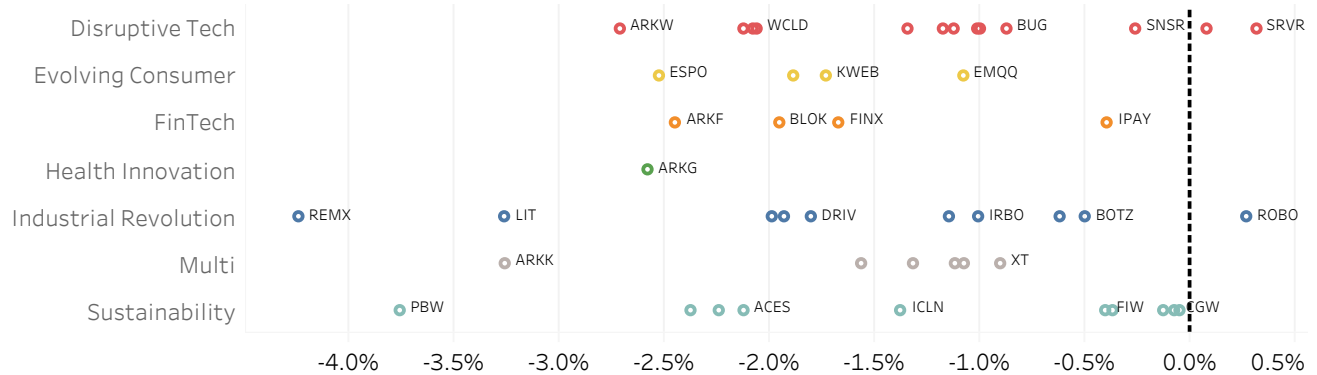


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EBLU	Ecofin Global Water ESG Fund	0.34%
SRVR	Pacer Data & Infrastructure Real Estate ETF	0.32%
ROBO	ROBO Global Robotics & Automation Index ETF	0.27%
NXTG	First Trust Indxx NextG ETF	0.08%
KLDW	Knowledge Leaders Developed World ETF	0.01%
AGNG	Global X Aging Population ETF	0.00%
MJUS	Amplify U.S. Alternative Harvest ETF	0.00%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-0.05%
PIO	Invesco Global Water ETF	-0.05%
CGW	Invesco S&P Global Water Index ETF	-0.08%

## Thematic Most Overbought

Ticker	Fund	Price
EVX	VanEck Environmental Services ETF	70.13
PIO	Invesco Global Water ETF	65.24
BLOK	Amplify Transformational Data Sharing ETF	65.08
AGNG	Global X Aging Population ETF	64.94
EBLU	Ecofin Global Water ESG Fund	64.10
IZRL	ARK Israel Innovative Technology ETF	63.54
PHO	Invesco Water Resources ETF	62.85
FDIG	Fidelity Crypto Industry and Digital Payments ETF	61.83
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	61.68
BKCH	Global X Blockchain ETF	61.65

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BKCH	Global X Blockchain ETF	-5.61%
WGMI	Valkyrie Bitcoin Miners ETF	-4.78%
DAPP	VanEck Digital Transformation ETF	-4.27%
REMX	VanEck Rare Earth/Strategic Metals ETF	-4.24%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-4.06%
MJ	Amplify Alternative Harvest ETF	-3.91%
BITQ	Bitwise Crypto Industry Innovators ETF	-3.85%
PBW	Invesco WilderHill Clean Energy ETF	-3.76%
LIT	Global X Lithium & Battery Tech ETF	-3.26%
ARKK	ARK Innovation ETF	-3.26%

## Thematic Most Oversold

Ticker	Fund	Price
CLOU	Global X Cloud Computing ETF	39.78
FAN	First Trust Global Wind Energy ETF	40.73
LIT	Global X Lithium & Battery Tech ETF	43.82
REMX	VanEck Rare Earth/Strategic Metals ETF	44.45
BATT	Amplify Lithium & Battery Technology ETF	44.49
MJ	Amplify Alternative Harvest ETF	44.64
SMOG	VanEck Low Carbon Energy ETF	45.11
CTEC	Global X CleanTech ETF	45.25
PBD	Invesco Global Clean Energy ETF	45.62
PBW	Invesco WilderHill Clean Energy ETF	45.82

\* 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	Flow
CIBR	First Trust NASDAQ Cybersecurity ETF	\$93M
WCLD	WisdomTree Cloud Computing Fund	\$27M
KWEB	KraneShares CSI China Internet ETF	\$23M
ARKG	ARK Genomic Revolution ETF	\$21M
SKYY	First Trust Cloud Computing ETF	\$19M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$14M
WCBR	WisdomTree Cybersecurity Fund	\$8M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$8M
IHAK	iShares Cybersecurity & Tech ETF	\$7M
HACK	Amplify Cybersecurity ETF	\$7M

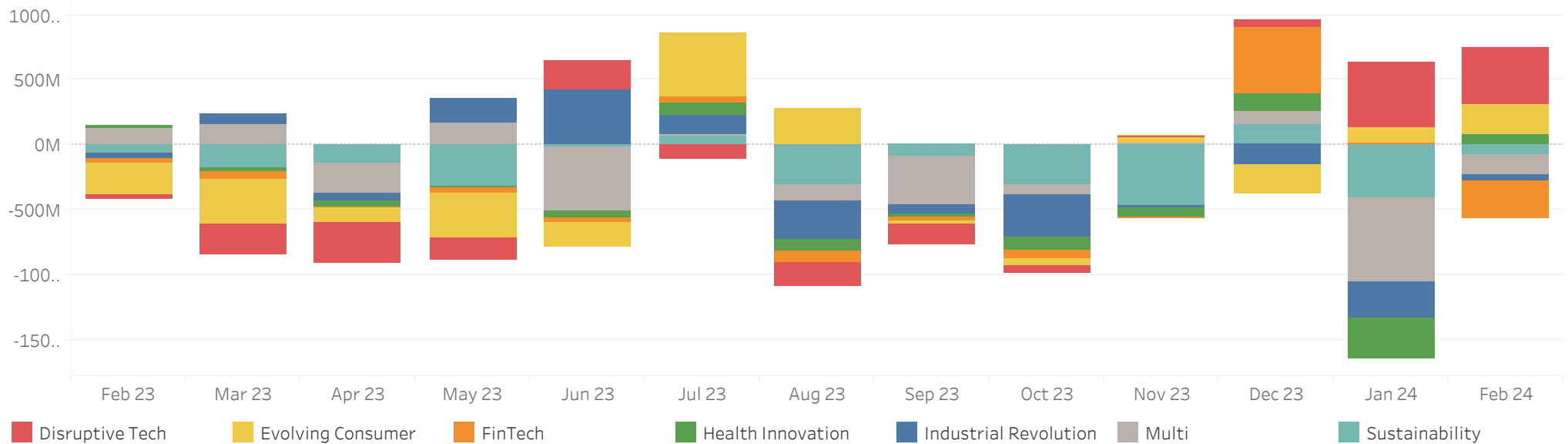
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$212M)
BLOK	Amplify Transformational Data Sharing ETF	(\$167M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$27M)
MJUS	Amplify U.S. Alternative Harvest ETF	(\$22M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$21M)
XITK	SPDR FactSet Innovative Technology ETF	(\$20M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$17M)
FINX	Global X FinTech ETF	(\$14M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$10M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$9M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$21B	\$65M	\$1,038M	\$765M	(\$42M)
Evolving Consumer	35	\$9B	(\$6M)	\$139M	\$100M	(\$330M)
FinTech	17	\$4B	(\$122M)	\$245M	\$118M	(\$120M)
Health Innovation	17	\$3B	\$0M	(\$102M)	(\$273M)	(\$393M)
Industrial Revolution	30	\$10B	(\$27M)	(\$497M)	(\$915M)	(\$458M)
Multi	33	\$16B	(\$52M)	(\$827M)	(\$993M)	(\$1,509M)
Sustainability	39	\$13B	(\$17M)	(\$444M)	(\$1,221M)	(\$2,136M)
Grand Total	204	\$74B	(\$160M)	(\$448M)	(\$2,418M)	(\$4,988M)

## Thematic Monthly Flows

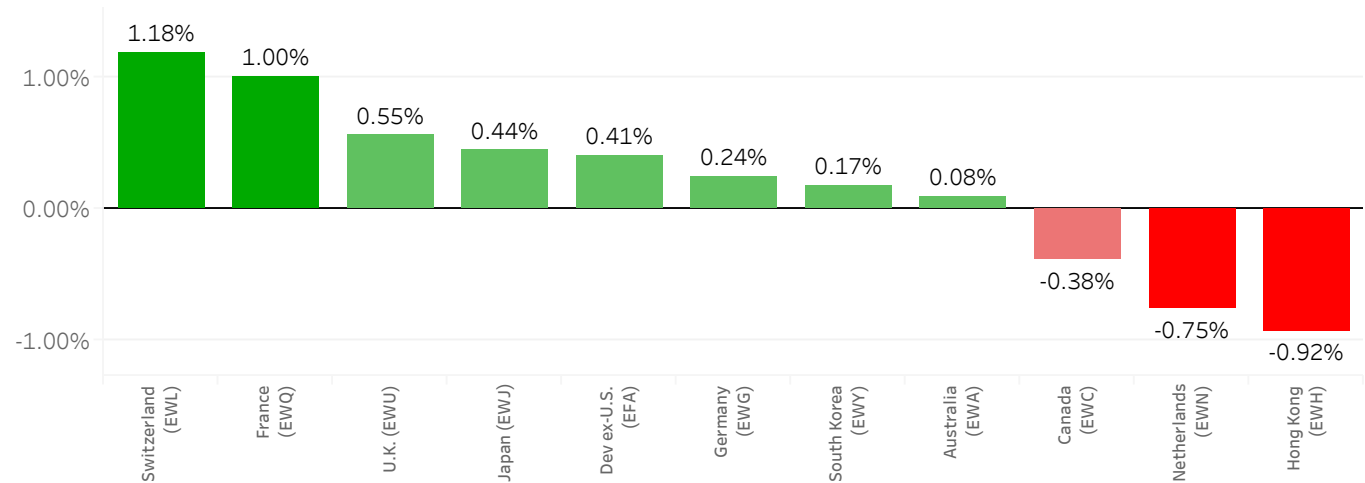


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

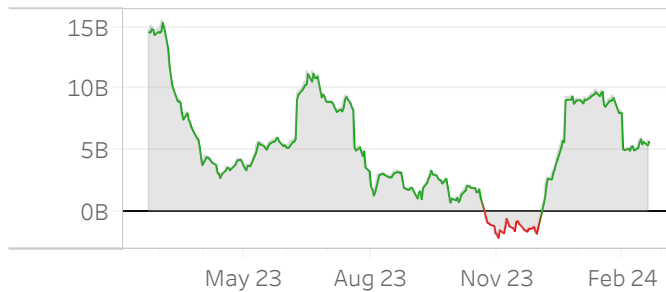
Developed ex-U.S. (EFA)



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



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



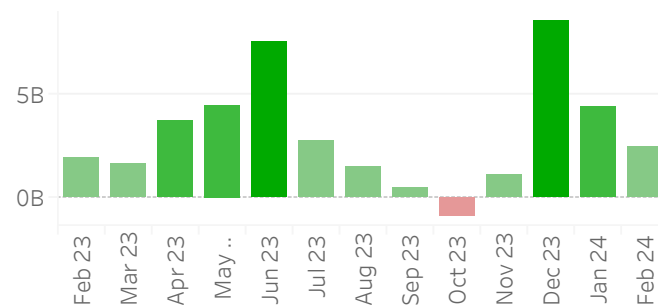
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWP	iShares MSCI Spain ETF	2.57%
GREK	Global X MSCI Greece ETF	1.43%
SCJ	iShares MSCI Japan Small-Cap ETF	1.38%
DFJ	WisdomTree Japan SmallCap Dividend Fund	1.30%
EWD	iShares MSCI Sweden ETF	1.28%
EWL	iShares MSCI Switzerland ETF	1.18%
EWJV	iShares MSCI Japan Value ETF	1.16%
EFAV	iShares MSCI EAFE Min Vol Factor ETF	1.06%
EWQ	iShares MSCI France ETF	1.00%
IDLV	Invesco S&P International Developed Low Volatility ETF	1.00%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	85.25
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	80.43
HEWJ	iShares Currency Hedged MSCI Japan ETF	79.40
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	75.54
HEFA	iShares Currency Hedged MSCI EAFE ETF	74.73
IMTM	iShares MSCI Intl Momentum Factor ETF	71.68
IHDG	WisdomTree International Hedged Quality Dividend Grow..	71.36
HEDJ	WisdomTree Europe Hedged Equity Fund	71.16
IDMO	Invesco S&P International Developed Momentum ETF	70.55
EWJV	iShares MSCI Japan Value ETF	69.48

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	-2.28%
EWK	iShares MSCI Hong Kong ETF	-0.92%
ISRA	VanEck Israel ETF	-0.85%
EIS	iShares MSCI Israel ETF	-0.82%
EWN	iShares MSCI Netherlands ETF	-0.75%
EIRL	iShares MSCI Ireland ETF	-0.57%
MINV	Matthews Asia Innovators Active ETF	-0.52%
TOK	iShares MSCI Tokusai ETF	-0.47%
IVAL	Alpha Architect International Quantitative Value ETF	-0.43%
AIA	iShares Asia 50 ETF	-0.42%

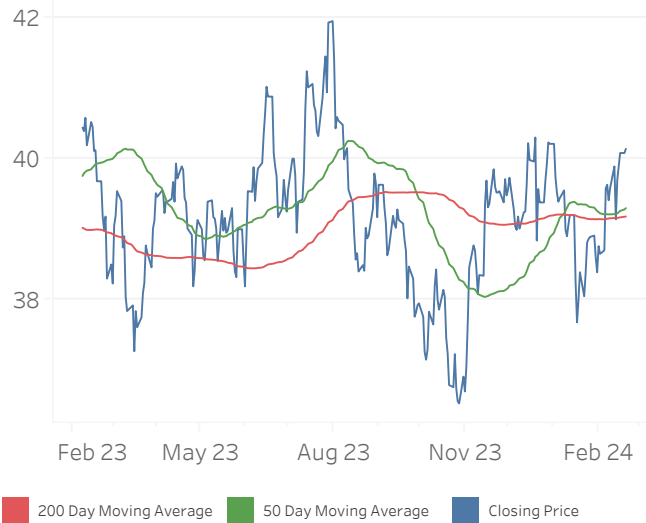
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
ENZL	iShares MSCI New Zealand ETF	37.61
FDD	First Trust Stoxx European Select Dividend Index Fu..	40.22
EWO	iShares MSCI Austria ETF	48.43
FSZ	First Trust Switzerland AlphaDEX Fund	49.05
IDOG	ALPS International Sector Dividend Dogs ETF	50.52
EWK	iShares MSCI Hong Kong ETF	50.66
IEUS	iShares MSCI Europe Small-Cap ETF	51.46
DFE	WisdomTree Europe SmallCap Dividend Fund	52.08
FIDI	Fidelity International High Dividend ETF	52.61
EWP	iShares MSCI Spain ETF	52.65

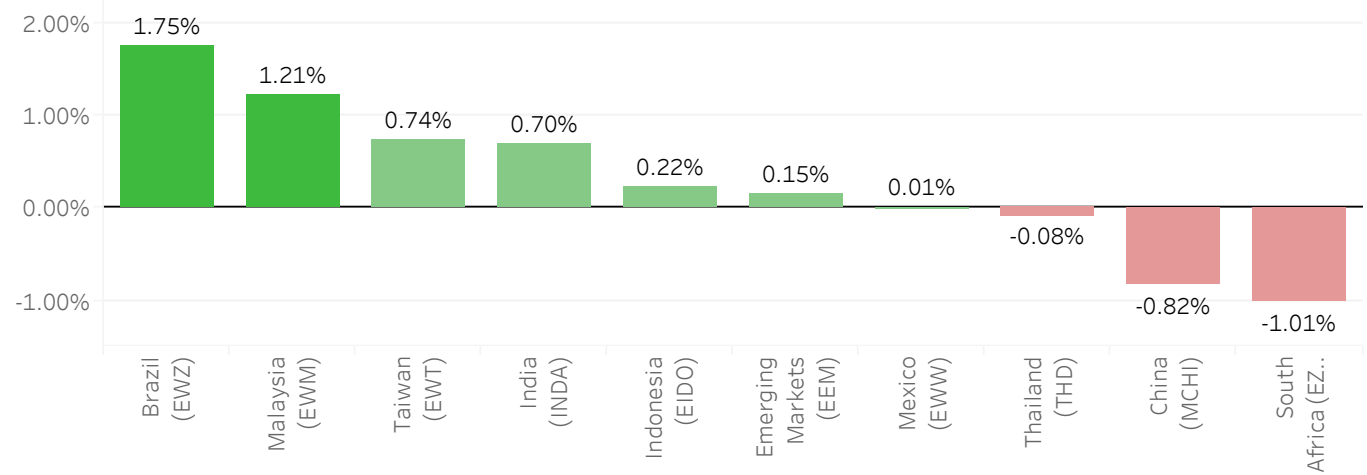
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



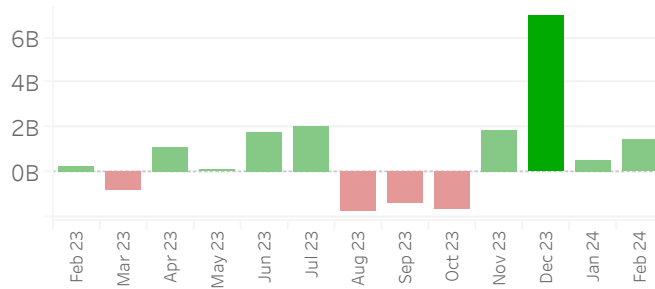
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EPOL	iShares MSCI Poland ETF	3.54%
EWZ	iShares MSCI Brazil ETF	1.75%
FLN	First Trust Latin America AlphaDEX Fund	1.67%
EWZS	iShares MSCI Brazil Small-Cap ETF	1.67%
ECH	iShares MSCI Chile ETF	1.56%
EDIV	SPDR S&P Emerging Markets Dividend ETF	1.53%
NUEM	Nuveen ESG Emerging Markets Equity ETF	1.45%
FLBR	Franklin FTSE Brazil ETF	1.43%
QAT	iShares MSCI Qatar ETF	1.36%
EWM	iShares MSCI Malaysia ETF	1.21%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	70.93
EYLD	Cambria Emerging Shareholder Yield ETF	70.57
VNM	VanEck Vietnam ETF	69.67
KSA	iShares MSCI Saudi Arabia ETF	69.00
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	67.67
EEMV	iShares MSCI Emerging Markets Min Vol Factor ETF	67.65
NFTY	First Trust India NIFTY 50 Equal Weight ETF	67.38
EWM	iShares MSCI Malaysia ETF	67.13
EPI	WisdomTree India Earnings Fund	66.75
EPOL	iShares MSCI Poland ETF	66.48

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	-1.31%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.29%
EMXF	iShares ESG Advanced MSCI EM ETF	-1.10%
EZA	iShares MSCI South Africa ETF	-1.01%
MCHI	iShares MSCI China ETF	-0.82%
GLIN	VanEck India Growth Leaders ETF	-0.79%
EPHE	iShares MSCI Philippines ETF	-0.65%
FLCH	Franklin FTSE China ETF	-0.65%
FXI	iShares China Large-Cap ETF	-0.65%
GXC	SPDR S&P China ETF	-0.64%

Emerging Most Oversold

Ticker	Fund	Price
THD	iShares MSCI Thailand ETF	42.78
EZA	iShares MSCI South Africa ETF	45.74
ARGT	Global X MSCI Argentina ETF	46.20
EWZS	iShares MSCI Brazil Small-Cap ETF	50.99
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	51.09
EMXF	iShares ESG Advanced MSCI EM ETF	52.15
GXC	SPDR S&P China ETF	52.53
MCHI	iShares MSCI China ETF	52.66
FLCH	Franklin FTSE China ETF	53.31
EWW	iShares MSCI Mexico ETF	53.40

\* 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	0.09%	-0.55%	-1.79%
SHY	1-3 Year Treasury Bonds	0.06%	-0.10%	-0.11%
IEF	7-10 Year Treasury Bonds	0.17%	-0.85%	-2.35%
TLT	20+ Year Treasury Bonds	0.09%	-1.02%	-5.81%
TIP	TIPS Bonds	0.05%	-0.76%	-1.19%
FLOT	Floating Rate Bonds	0.04%	0.64%	1.09%
LQD	Investment Grade Corporate	0.33%	-0.71%	-2.21%
HYG	High Yield Corporate	0.21%	0.36%	0.08%
BKLN	Senior Loan	0.08%	0.59%	0.55%
PFF	Preferred & Income Securities	0.19%	1.64%	2.61%
MUB	Municipal Bonds	-0.03%	0.58%	-0.27%
MBB	MBS	0.08%	-0.70%	-2.17%
EMB	Dollar Denominated EM Bonds	-0.01%	0.06%	-1.70%
LEMB	Local Currency EM Bond	0.22%	-0.64%	-2.18%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.34%	-0.74%	-2.34%
DBE	Energy	-1.32%	0.72%	2.79%
USO	WTI Crude Oil	-1.35%	5.23%	8.66%
BNO	Brent Crude Oil	-1.00%	5.52%	8.50%
UNG	Natural Gas	-1.47%	-28.99%	-27.17%
UGA	Gasoline	-1.83%	3.97%	7.58%
DBP	Precious Metals	0.05%	0.19%	-2.11%
GLD	Gold	0.61%	-0.24%	-1.94%
SLV	Silver	-1.50%	1.94%	-3.26%
PPLT	abrdn Physical Platin..	-0.06%	0.41%	-8.68%
PALL	abrdn Physical Palla..	2.94%	2.95%	-10.97%
DBB	Base Metals	0.12%	-0.06%	-5.96%
CPER	Copper	0.84%	1.82%	-0.41%
DBA	Agriculture	1.43%	4.71%	6.08%
CORN	Corn	0.62%	-4.16%	-9.27%
SOYB	Soybeans	0.54%	-3.00%	-8.24%
WEAT	Wheat	2.87%	-4.95%	-9.88%
CANE	Sugar	-0.62%	-0.23%	9.08%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.14%	1.26%	3.54%
UDN	Short Dollar	0.36%	-0.45%	-2.23%
FXE	Euro	0.32%	-0.60%	-1.76%
FXB	British Pound Sterling	0.21%	-0.30%	-0.51%
FXF	Swiss Franc	-0.03%	-1.45%	-4.54%
FXJ	Japanese Yen	0.15%	-1.31%	-6.17%
FXC	Canadian Dollar	-0.19%	-0.44%	-1.69%
FXA	Australian Dollar	0.32%	-0.59%	-3.64%

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