

Large Cap Blend (S&P 500) IVV



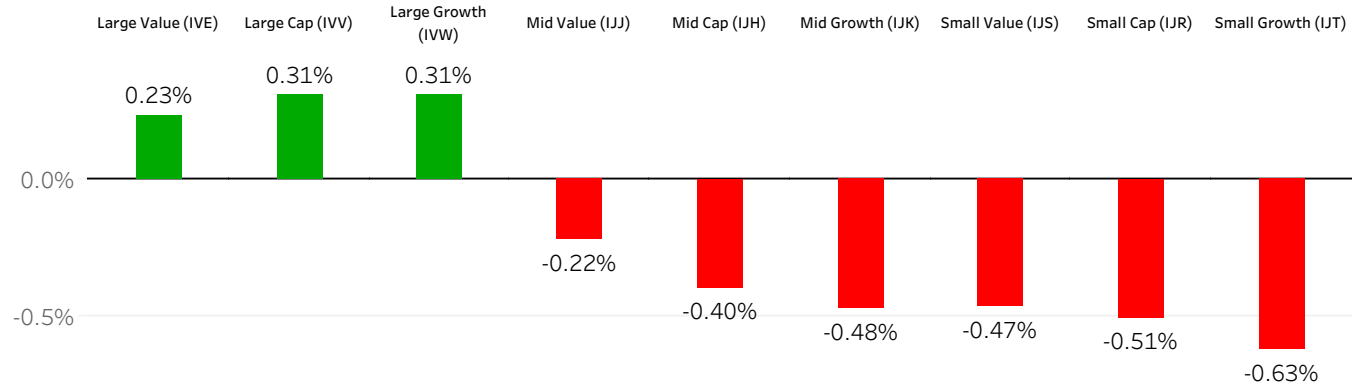
Mid Cap Blend (S&P 400) IJH



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
AIEQ	AI Powered Equity ETF	0.77%
WBIY	WBI Power Factor High Dividend ETF	0.66%
LCG	Sterling Capital Focus Equity ETF	0.64%
QQH	HCM Defender 100 Index ETF	0.62%
HDV	iShares Core High Dividend ETF	0.62%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	0.60%
XLG	Invesco S&P 500 Top 50 ETF	0.59%
ZECP	Zacks Earnings Consistent Portfolio ETF	0.56%
ABEQ	Absolute Select Value ETF	0.53%
SIXA	ETC 6 Meridian Mega Cap Equity ETF	0.53%

Size & Style Most Overbought

Ticker	Fund	Price
PWB	Invesco Large Cap Growth ETF	77.20
WINN	Harbor Long-Term Growers ETF	76.38
MTUM	iShares MSCI USA Momentum Factor ETF	76.26
SPMO	Invesco S&P 500 Momentum ETF	76.07
USMF	WisdomTree U.S. Multifactor Fund	76.03
QLV	FlexShares US Quality Low Volatility Index Fund	75.81
DRUP	GraniteShares Nasdaq Select Disruptors ETF	75.73
USMC	Principal U.S. Mega-Cap ETF	75.61
FLQL	Franklin LibertyQ U.S. Equity ETF	75.49
XLG	Invesco S&P 500 Top 50 ETF	75.28

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
CALF	Pacer US Small Cap Cash Cows 100 ETF	-1.30%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-1.13%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-1.11%
SVAL	iShares US Small Cap Value Factor ETF	-0.96%
XSMO	Invesco S&P SmallCap Momentum ETF	-0.89%
TPSC	Timothy Plan US Small Cap Core ETF	-0.82%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-0.82%
OSCV	Opus Small Cap Value ETF	-0.81%
EES	WisdomTree U.S. SmallCap Fund	-0.81%
DWAS	Invesco Dorsey Wright SmallCap Momentum ETF	-0.81%

Size & Style Most Oversold

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	37.96
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	39.84
PEY	Invesco High Yield Equity Dividend Achievers ETF	45.46
IPO	Renaissance IPO ETF	45.47
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	45.87
COWZ	Pacer US Cash Cows 100 ETF	46.16
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	46.55
DURA	VanEck Durable High Dividend ETF	47.95
ONEY	SPDR Russell 1000 Yield Focus ETF	48.07
CDL	VictoryShares US Large Cap High Dividend Volatility ..	48.14

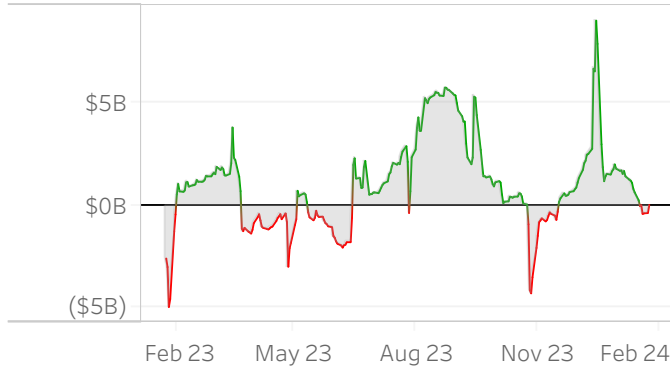
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

\*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	\$1,705B	(\$1.70B)	\$80.47B	\$106.62B	\$159.74B
Large Cap, Beta, Beta: Growth	10	\$329B	\$1.10B	\$7.70B	\$14.31B	\$18.33B
Large Cap, Beta, Beta: Value	11	\$238B	(\$1.01B)	\$2.52B	\$3.77B	(\$2.87B)
Mid Cap, Beta, Beta	10	\$208B	\$0.11B	\$0.48B	\$4.88B	\$7.09B
Mid Cap, Beta, Beta: Growth	6	\$39B	(\$0.07B)	\$0.75B	\$0.48B	\$1.38B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.00B	\$0.03B	(\$0.65B)	(\$2.03B)
Small Cap, Beta, Beta	11	\$223B	(\$0.86B)	\$12.21B	\$13.45B	\$18.54B
Small Cap, Beta, Beta: Growth	7	\$36B	\$0.02B	\$1.27B	\$1.28B	\$1.39B
Small Cap, Beta, Beta: Value	7	\$52B	(\$0.36B)	\$0.67B	(\$0.15B)	(\$1.14B)

U.S. Size & Style Flow Leaders

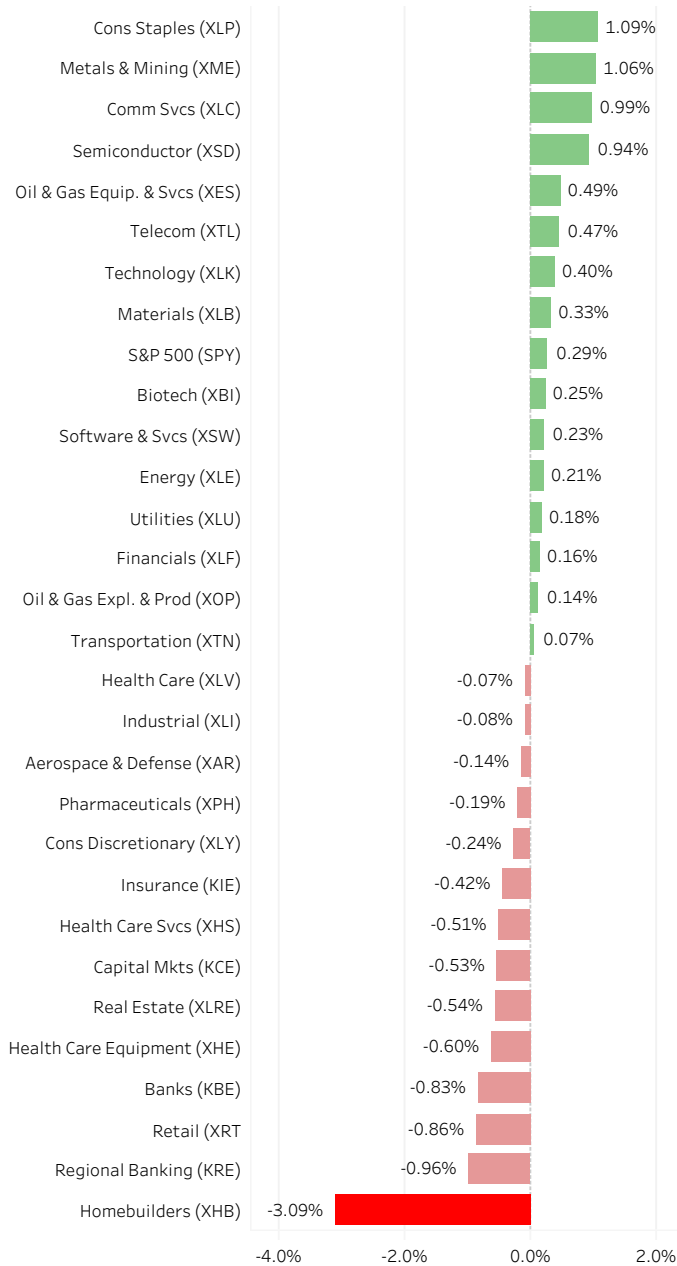
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$2.21B	\$20.16B	\$37.77B	\$46.69B	\$413.91B
VOO	Vanguard S&P 500 ETF	\$1.72B	\$16.96B	\$26.11B	\$48.33B	\$384.92B
QQQ	Invesco QQQ Trust Series I	\$1.25B	\$5.06B	\$6.22B	\$16.81B	\$240.67B
IWY	iShares Russell Top 200 Growth ETF	\$0.68B	\$0.70B	\$0.88B	\$1.99B	\$9.07B
QQQM	Invesco NASDAQ 100 ETF	\$0.60B	\$2.96B	\$4.45B	\$9.66B	\$20.51B
VTI	Vanguard Total Stock Market ETF	\$0.48B	\$8.06B	\$13.80B	\$22.09B	\$353.13B
VUG	Vanguard Growth ETF	\$0.29B	\$2.11B	\$3.76B	\$3.92B	\$107.96B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.22B	\$1.80B	\$2.98B	\$11.58B	\$37.52B
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ..	\$0.21B	\$2.34B	\$4.40B	\$7.07B	\$9.15B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.16B	\$4.37B	\$5.71B	\$7.68B	\$26.95B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$0.89B)	\$7.37B	\$6.31B	\$6.32B	\$61.85B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.75B)	\$1.18B	\$1.67B	\$0.97B	\$19.28B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.67B)	\$5.33B	\$5.52B	\$11.84B	\$49.14B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.64B)	\$1.22B	(\$0.39B)	(\$0.60B)	\$32.39B
SUSA	iShares MSCI USA ESG Select ETF	(\$0.32B)	(\$1.75B)	(\$0.76B)	(\$0.45B)	\$3.55B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.32B)	\$0.37B	\$0.30B	\$0.04B	\$7.26B
IWD	iShares Russell 1000 Value ETF	(\$0.23B)	(\$0.17B)	(\$0.60B)	(\$3.88B)	\$51.98B
IWF	iShares Russell 1000 Growth ETF	(\$0.18B)	\$1.19B	\$2.54B	\$0.27B	\$82.73B
IWV	iShares Russell 3000 ETF	(\$0.14B)	\$0.41B	\$0.35B	(\$0.12B)	\$12.82B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.07B)	(\$0.11B)	(\$0.13B)	(\$0.72B)	\$20.04B

\* 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)
SPY	SPDR S&P 500 ETF Trust	0.00%	25.82%	3.83%	9.76%	70.11
XLC	Communication Services Select Sector SPDR Fund	0.00%	44.89%	5.48%	13.71%	73.03
XLF	Financial Select Sector SPDR Fund	0.00%	23.21%	3.80%	11.18%	66.68
XLK	Technology Select Sector SPDR Fund	0.00%	48.95%	6.77%	17.08%	76.13
XLV	Health Care Select Sector SPDR Fund	-0.71%	13.67%	3.79%	5.92%	66.61
XLI	Industrial Select Sector SPDR Fund	-0.79%	17.41%	2.61%	7.59%	59.91
XLB	Materials Select Sector SPDR Fund	-4.03%	11.12%	-0.47%	2.36%	44.27
XLY	Consumer Discretionary Select Sector SPDR Fund	-4.25%	25.69%	-0.11%	5.45%	47.01
XLRE	Real Estate Select Sector SPDR Fund	-4.99%	20.13%	0.34%	5.02%	45.61
XLP	Consumer Staples Select Sector SPDR Fund	-6.48%	9.45%	1.66%	0.21%	56.64
XLU	Utilities Select Sector SPDR Fund	-13.13%	8.17%	-3.64%	-4.93%	32.95
XLE	Energy Select Sector SPDR Fund	-13.62%	5.29%	-3.42%	-4.59%	38.45

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IYK	iShares U.S. Consumer Staples ETF	1.29%
IYZ	iShares U.S. Telecommunications ETF	1.16%
FCOM	Fidelity MSCI Communication Services Index ETF	1.09%
XLP	Consumer Staples Select Sector SPDR Fund	1.09%
VOX	Vanguard Communication Services ETF	1.06%
XME	SPDR S&P Metals & Mining ETF	1.06%
RSPS	Invesco S&P 500 Equal Weight Consumer Staples ..	1.04%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER ST..	0.99%
XLC	Communication Services Select Sector SPDR Fund	0.99%
XSD	SPDR S&P Semiconductor ETF	0.94%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IETC	iShares U.S. Tech Independence Focused ETF	77.42
IAK	iShares U.S. Insurance ETF	77.17
IGM	iShares Expanded Tech Sector ETF	77.16
IGPT	Invesco AI and Next Gen Software ETF	76.93
IYW	iShares U.S. Technology ETF	76.16
XLK	Technology Select Sector SPDR Fund	76.13
XNTK	SPDR NYSE Technology ETF	75.21
FTEC	Fidelity MSCI Information Technology Index ETF	75.04
VGT	Vanguard Information Technology ETF	74.91
KBWP	Invesco KBW Property & Casualty Insurance ETF	74.54

## Sector & Industry 1 Day Performance Laggards

Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	-4.85%
PKB	Invesco Building & Construction ETF	-3.57%
XHB	SPDR S&P Homebuilders ETF	-3.09%
PEZ	Invesco Dorsey Wright Consumer Cyclical Momentum..	-2.53%
KBWR	Invesco KBW Regional Banking ETF	-1.40%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.28%
REZ	iShares Residential and Multisector Real Estate ETF	-0.99%
KRE	SPDR S&P Regional Banking ETF	-0.96%
ROOF	IQ CBRE NextGen Real Estate ETF	-0.88%
XRT	SPDR S&P Retail ETF	-0.86%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
RSPU	Invesco S&P 500 Equal Weight Utilities ETF	32.09
VPU	Vanguard Utilities ETF	32.85
XLU	Utilities Select Sector SPDR Fund	32.95
FXU	First Trust Utilities AlphaDEX Fund	33.00
FUTY	Fidelity MSCI Utilities Index ETF	33.31
IDU	iShares U.S. Utilities ETF	34.81
EMLP	First Trust North American Energy Infrastructure Fund	35.65
FCG	First Trust Natural Gas ETF	35.69
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	35.91
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	37.39

\* 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	\$138M	\$620M	\$715M	\$3,741M
Consumer Discretionary	12	\$28B	\$288M	\$455M	\$948M	\$2,837M
Consumer Staples	10	\$25B	(\$44M)	(\$2,621M)	(\$4,440M)	(\$4,111M)
Energy	30	\$68B	\$113M	(\$2,372M)	\$1,541M	(\$7,891M)
Financials	26	\$63B	\$47M	\$2,738M	(\$2,727M)	\$1,609M
Health Care	23	\$89B	(\$215M)	(\$1,745M)	(\$5,013M)	(\$8,368M)
Industrial	13	\$36B	(\$221M)	(\$221M)	(\$637M)	\$1,286M
Materials	9	\$12B	(\$78M)	(\$750M)	(\$1,953M)	(\$2,855M)
Multi-Sector	16	\$20B	\$42M	(\$103M)	(\$484M)	\$2,426M
Real Estate	25	\$60B	\$142M	\$2,050M	\$1,939M	(\$666M)
Technology	23	\$183B	\$472M	\$5,650M	\$7,935M	\$7,797M
Utilities	9	\$21B	(\$101M)	(\$328M)	(\$1,521M)	(\$1,498M)

## U.S. Sector & Industry Flow Leaders

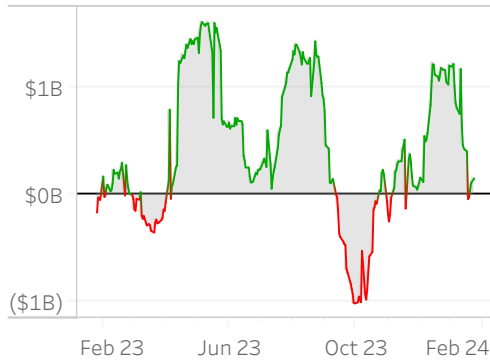
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$413M	\$1,299M	(\$2,222M)	\$1,201M	\$35,413M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$218M	\$564M	\$1,153M	\$1,592M	\$18,666M
SOXX	iShares Semiconductor ETF	\$183M	\$212M	\$892M	\$706M	\$11,187M
XLE	Energy Select Sector SPDR Fund	\$168M	(\$1,682M)	\$1,409M	(\$2,949M)	\$34,297M
VGT	Vanguard Information Technology ETF	\$148M	\$1,228M	\$1,626M	\$659M	\$61,449M
XLC	Communication Services Select Sector SPDR Fu..	\$118M	\$808M	\$797M	\$3,415M	\$16,507M
IYF	iShares U.S. Financials ETF	\$109M	\$135M	\$160M	\$18M	\$2,236M
XLK	Technology Select Sector SPDR Fund	\$106M	\$2,535M	\$2,707M	\$1,339M	\$60,862M
IYW	iShares U.S. Technology ETF	\$82M	\$785M	\$1,418M	\$960M	\$14,915M
XLV	Health Care Select Sector SPDR Fund	\$70M	(\$1,048M)	(\$2,512M)	(\$3,053M)	\$39,487M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VFH	Vanguard Financials ETF	(\$226M)	(\$42M)	(\$488M)	(\$651M)	\$8,867M
KRE	SPDR S&P Regional Banking ETF	(\$225M)	\$461M	(\$319M)	\$1,265M	\$3,422M
XLI	Industrial Select Sector SPDR Fund	(\$213M)	(\$538M)	(\$774M)	(\$202M)	\$15,381M
XBI	SPDR S&P BIOTECH ETF	(\$146M)	\$108M	(\$184M)	(\$951M)	\$6,706M
IGV	iShares Expanded Tech-Software Sector ETF	(\$102M)	\$557M	(\$276M)	\$281M	\$7,569M
XLU	Utilities Select Sector SPDR Fund	(\$92M)	\$86M	(\$559M)	(\$135M)	\$13,775M
IBB	iShares Biotechnology ETF	(\$74M)	(\$81M)	(\$363M)	(\$1,389M)	\$7,497M
XLB	Materials Select Sector SPDR Fund	(\$41M)	(\$226M)	(\$870M)	(\$498M)	\$5,488M
XLP	Consumer Staples Select Sector SPDR Fund	(\$38M)	(\$1,714M)	(\$1,852M)	(\$1,626M)	\$14,989M
XME	SPDR S&P Metals & Mining ETF	(\$37M)	(\$47M)	(\$247M)	(\$693M)	\$1,765M

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

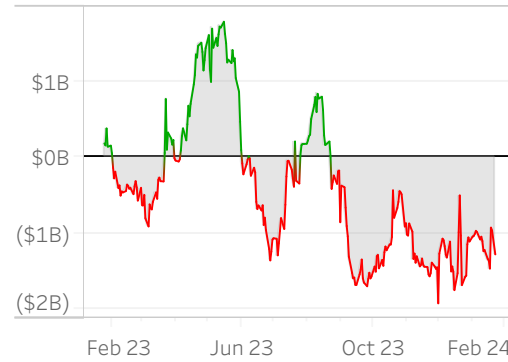
Communication Services



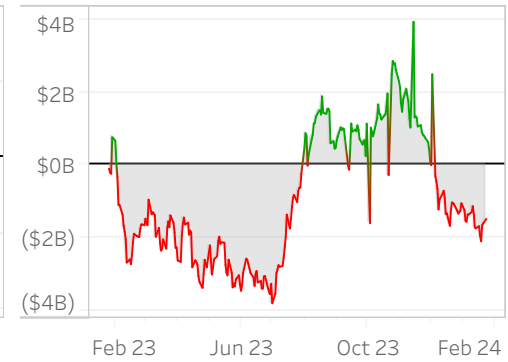
Consumer Discretionary



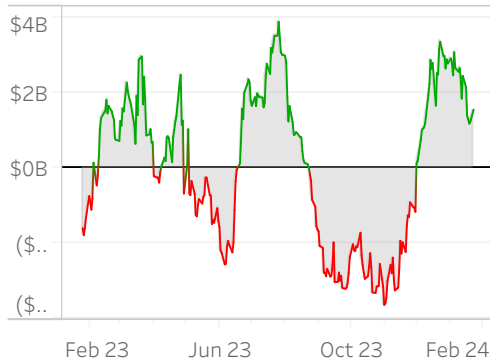
Consumer Staples



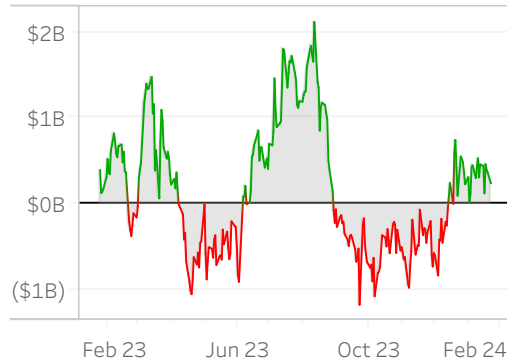
Energy



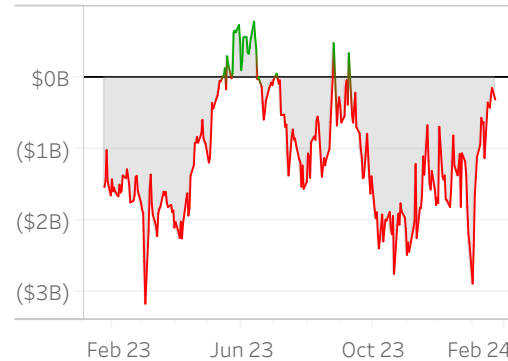
Financials



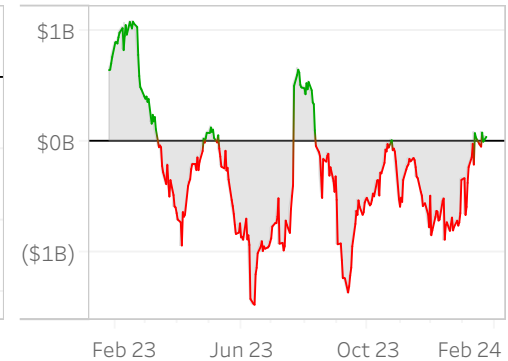
Industrial



Health Care



Materials



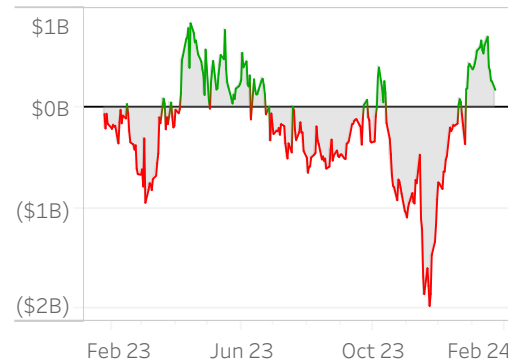
Real Estate



Technology



Utilities

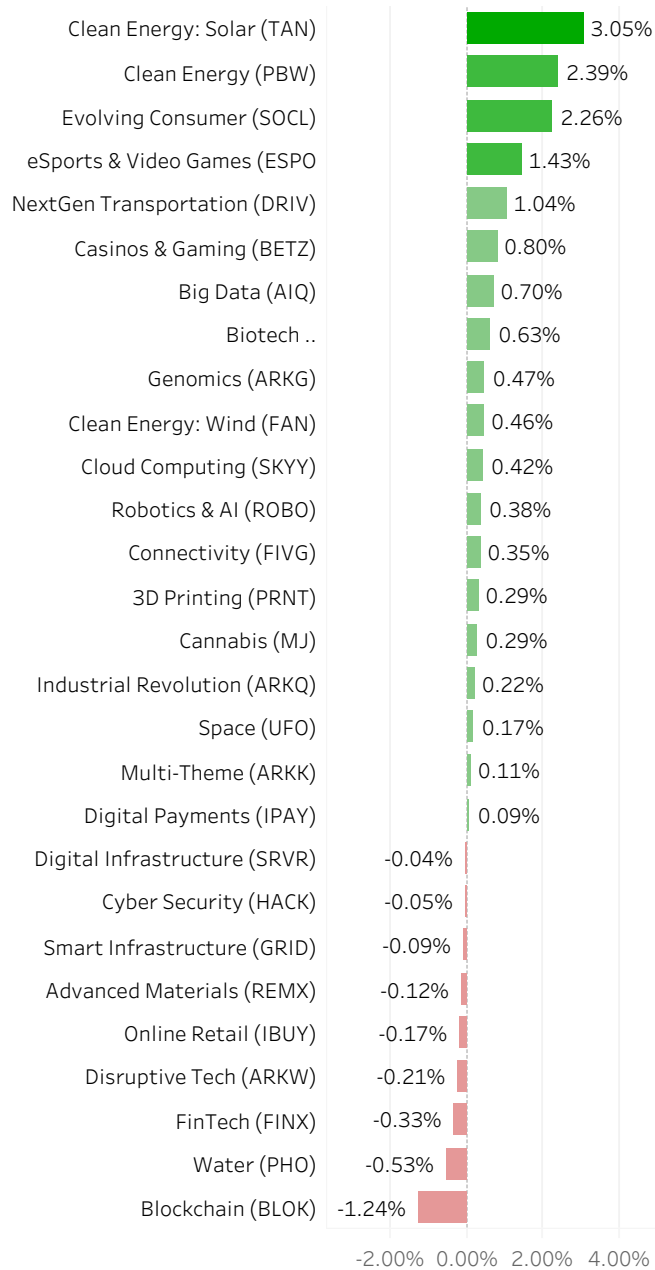


Multi-Sector

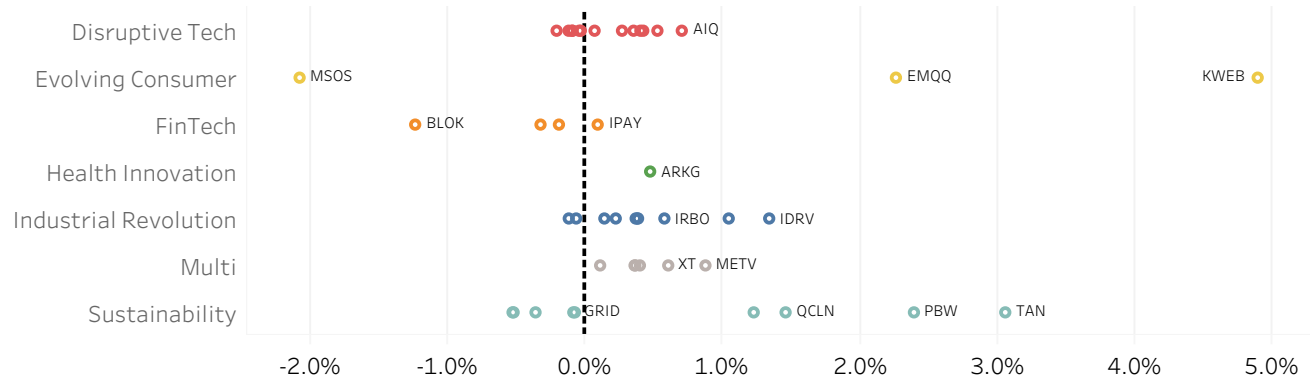


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	4.89%
KGRN	KraneShares MSCI China Clean Technology Index ETF	3.29%
TAN	Invesco Solar ETF	3.05%
PBW	Invesco WilderHill Clean Energy ETF	2.39%
SOCL	Global X Social Media ETF	2.26%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.26%
CNRG	SPDR S&P Kensho Clean Power ETF	2.12%
HERO	Global X Video Games & Esports ETF	1.91%
ACES	ALPS Clean Energy ETF	1.84%
PBD	Invesco Global Clean Energy ETF	1.80%

Thematic Most Overbought

Ticker	Fund	Price
TECB	iShares U.S. Tech Breakthrough Multisector ETF	77.07
FIVG	Defiance Next Gen Connectivity ETF	74.24
HACK	ETFMG Prime Cyber Security ETFMG Prime Cyber Security ..	73.62
WCBR	WisdomTree Cybersecurity Fund	71.76
CIBR	First Trust NASDAQ Cybersecurity ETF	71.73
FCLD	Fidelity Cloud Computing ETF	71.68
SKYY	First Trust Cloud Computing ETF	71.58
QTUM	Defiance Quantum ETF	70.03
IHAK	iShares Cybersecurity & Tech ETF	68.48
BUG	Global X Cybersecurity ETF	67.96

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
DAPP	VanEck Digital Transformation ETF	-4.33%
WGMI	Valkyrie Bitcoin Miners ETF	-2.85%
BITQ	Bitwise Crypto Industry Innovators ETF	-2.59%
MJUS	ETFMG U.S. Alternative Harvest ETF	-2.42%
BKCH	Global X Blockchain ETF	-2.31%
MSOS	AdvisorShares Pure US Cannabis ETF	-2.08%
FDIG	Fidelity Crypto Industry and Digital Payments ETF	-1.68%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	-1.52%
BLOK	Amplify Transformational Data Sharing ETF	-1.24%
PHO	Invesco Water Resources ETF	-0.53%

Thematic Most Oversold

Ticker	Fund	Price
REMX	VanEck Rare Earth/Strategic Metals ETF	20.63
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	25.29
BATT	Amplify Lithium & Battery Technology ETF	26.17
IDRV	iShares Self-driving EV & Tech ETF	27.69
SMOG	VanEck Low Carbon Energy ETF	28.25
LIT	Global X Lithium & Battery Tech ETF	29.47
BITQ	Bitwise Crypto Industry Innovators ETF	31.19
DAPP	VanEck Digital Transformation ETF	32.42
BKCH	Global X Blockchain ETF	33.18
ERTH	Invesco MSCI Sustainable Future ETF	33.89

\* 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	
BLOK	Amplify Transformational Data Sharing ETF	\$94M
HACK	ETFMG Prime Cyber Security ETF	\$31M
MSOS	AdvisorShares Pure US Cannabis ETF	\$17M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$17M
AIQ	Global X Artificial Intelligence & Technology ETF	\$16M
CGW	Invesco S&P Global Water Index ETF	\$16M
IHAK	iShares Cybersecurity & Tech ETF	\$14M
PHO	Invesco Water Resources ETF	\$13M
BUG	Global X Cybersecurity ETF	\$13M
WTAI	WisdomTree Artificial Intelligence and Innovation Fund	\$13M

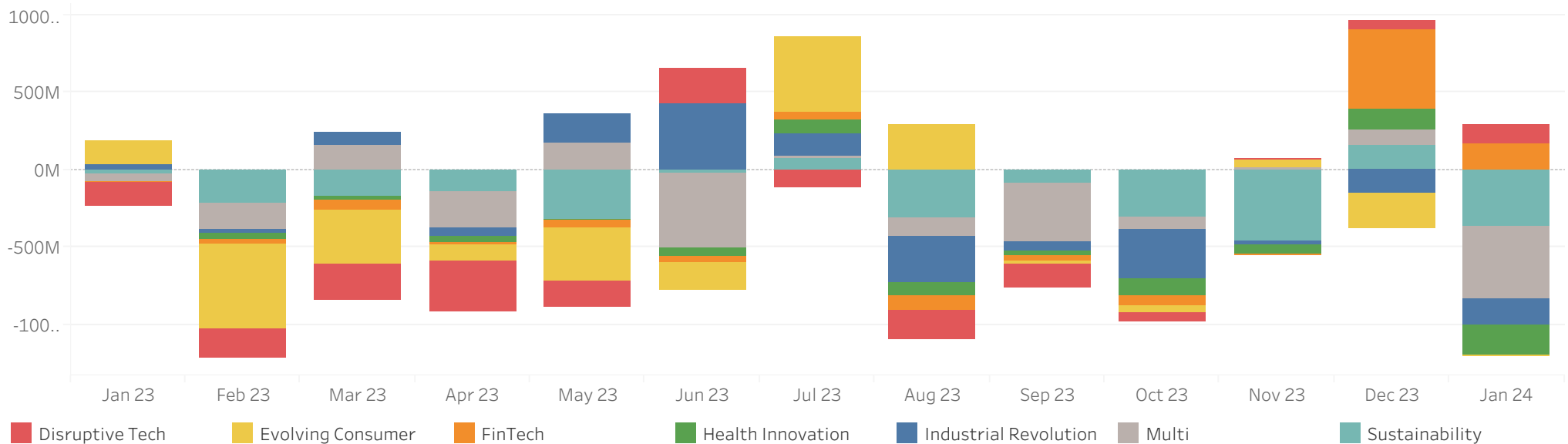
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ICLN	iShares Global Clean Energy ETF	(\$123M)
ARKK	ARK Innovation ETF	(\$69M)
ARKG	ARK Genomic Revolution ETF	(\$68M)
TAN	Invesco Solar ETF	(\$41M)
ARKW	ARK Next Generation Internet ETF	(\$21M)
FINX	Global X FinTech ETF	(\$19M)
ARKF	ARK Fintech Innovation ETF	(\$18M)
WCLD	WisdomTree Cloud Computing Fund	(\$15M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$13M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$12M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$19B	\$43M	\$201M	(\$225M)	(\$1,159M)
Evolving Consumer	37	\$8B	\$6M	(\$200M)	\$148M	(\$860M)
FinTech	17	\$4B	\$33M	\$667M	\$466M	\$316M
Health Innovation	17	\$2B	(\$55M)	(\$186M)	(\$297M)	(\$419M)
Industrial Revolution	30	\$10B	(\$22M)	(\$398M)	(\$1,065M)	(\$254M)
Multi	35	\$15B	(\$56M)	(\$348M)	(\$986M)	(\$1,527M)
Sustainability	40	\$12B	(\$125M)	(\$804M)	(\$1,419M)	(\$2,198M)
Grand Total	209	\$70B	(\$177M)	(\$1,069M)	(\$3,378M)	(\$6,102M)

## Thematic Monthly Flows

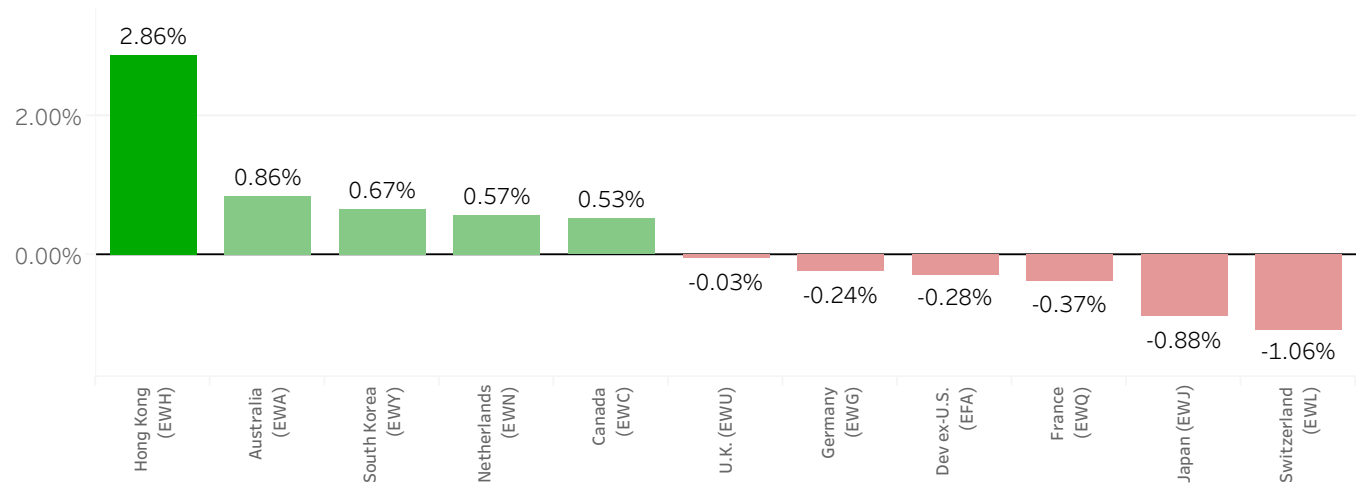


\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



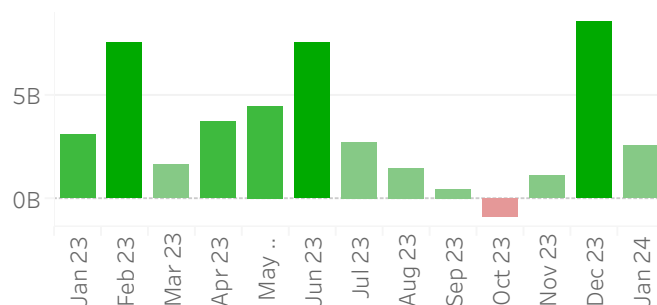
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	2.86%
AIA	iShares Asia 50 ETF	2.44%
EPP	iShares MSCI Pacific ex-Japan ETF	1.17%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan ETF	1.15%
ENZL	iShares MSCI New Zealand ETF	1.05%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.99%
EWA	iShares MSCI Australia ETF	0.86%
EWY	iShares MSCI South Korea ETF	0.67%
FLKR	Franklin FTSE South Korea ETF	0.59%
EWN	iShares MSCI Netherlands ETF	0.57%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	73.63
HEWJ	iShares Currency Hedged MSCI Japan ETF	73.18
DXJ	WisdomTree Japan Hedged Equity Fund	71.39
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	63.51
TOK	iShares MSCI Kokusai ETF	62.93
EIRL	iShares MSCI Ireland ETF	62.66
EWJ	iShares MSCI Japan ETF	61.15
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	61.06
FLJP	Franklin FTSE Japan ETF	60.02
JPXN	iShares JPX-Nikkei 400 ETF	59.67

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-1.73%
FSZ	First Trust Switzerland AlphaDEX Fund	-1.25%
EWJV	iShares MSCI Japan Value ETF	-1.21%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.18%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.13%
EWL	iShares MSCI Switzerland ETF	-1.06%
SCJ	iShares MSCI Japan Small-Cap ETF	-1.03%
EWP	iShares MSCI Spain ETF	-0.98%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.93%
DXJS	WisdomTree Japan Hedged SmallCap Equity Fund	-0.93%

Developed ex-U.S. Most Oversold

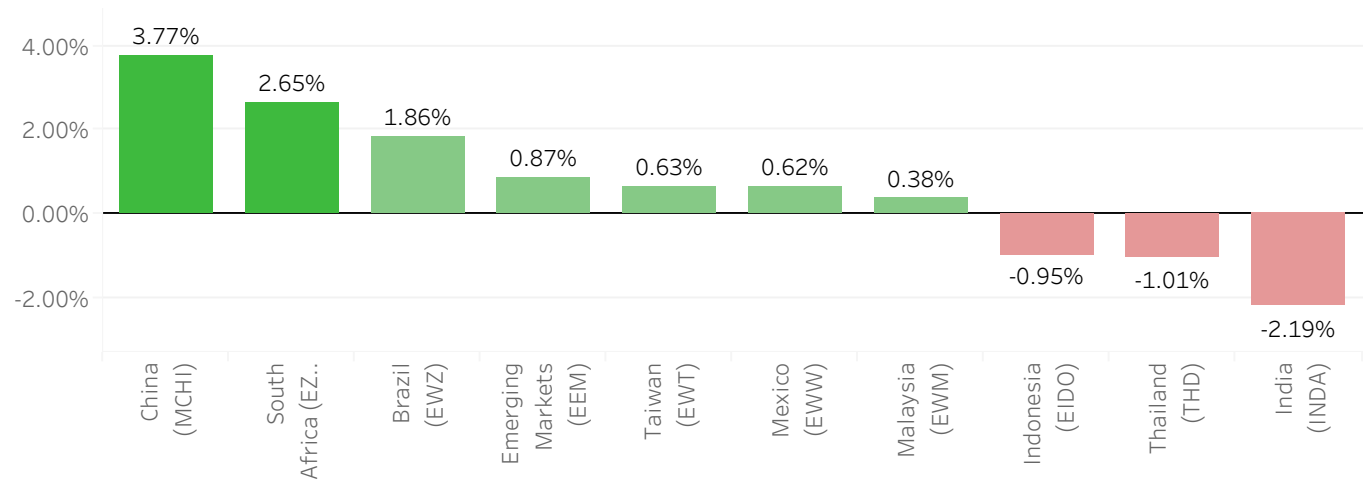
Ticker	Fund	Price
EWP	iShares MSCI Spain ETF	35.69
FLKR	Franklin FTSE South Korea ETF	36.61
FSZ	First Trust Switzerland AlphaDEX Fund	36.83
EWY	iShares MSCI South Korea ETF	36.93
FDD	First Trust Stoxx European Select Dividend Index Fu..	37.59
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	37.86
EWJ	iShares MSCI Japan ETF	38.66
EWH	iShares MSCI Hong Kong ETF	38.66
EWU	iShares MSCI United Kingdom ETF	39.50
DTH	WisdomTree International High Dividend Fund	39.89
EWS	iShares MSCI Singapore ETF	40.29

\*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)



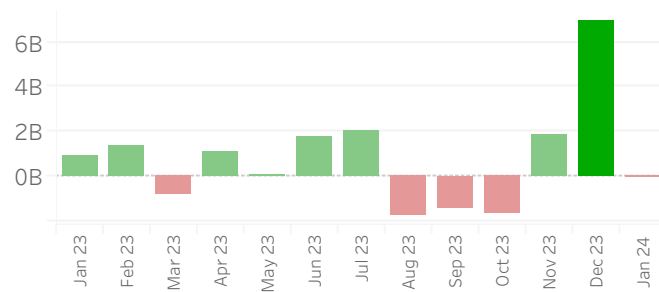
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
PGJ	Invesco Golden Dragon China ETF	4.92%
FXI	iShares China Large-Cap ETF	4.59%
MCHI	iShares MSCI China ETF	3.77%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.44%
FLCH	Franklin FTSE China ETF	3.22%
GXC	SPDR S&P China ETF	3.11%
EZA	iShares MSCI South Africa ETF	2.65%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.32%
EWZ	iShares MSCI Brazil ETF	1.86%
FLBR	Franklin FTSE Brazil ETF	1.80%

Emerging Most Overbought

Ticker	Fund	Price
KWT	iShares MSCI Kuwait ETF	76.68
KSA	iShares MSCI Saudi Arabia ETF	59.75
ARGT	Global X MSCI Argentina ETF	59.60
EPHE	iShares MSCI Philippines ETF	55.98
EPU	iShares MSCI Peru and Global Exposure ETF	53.84
FLTW	Franklin FTSE Taiwan ETF	53.03
GLIN	VanEck India Growth Leaders ETF	52.73
PIE	Invesco Dorsey Wright Emerging Markets Momentum	51.87
EPI	WisdomTree India Earnings Fund	50.63
NFTY	First Trust India NIFTY 50 Equal Weight ETF	50.54

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
SMIN	iShares MSCI India Small Cap ETF	-3.74%
EPI	WisdomTree India Earnings Fund	-2.97%
PIN	Invesco India ETF	-2.72%
FLIN	Franklin FTSE India ETF	-2.66%
GLIN	VanEck India Growth Leaders ETF	-2.55%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-2.45%
INDA	iShares MSCI India ETF	-2.19%
INDY	iShares India 50 ETF	-2.04%
EPOL	iShares MSCI Poland ETF	-1.13%
THD	iShares MSCI Thailand ETF	-1.01%

Emerging Most Oversold

Ticker	Fund	Price
THD	iShares MSCI Thailand ETF	28.52
EWX	SPDR S&P Emerging Markets Small Cap ETF	34.95
CNYA	iShares MSCI China A ETF	36.69
GXC	SPDR S&P China ETF	37.08
PGJ	Invesco Golden Dragon China ETF	37.63
DVYE	iShares Emerging Markets Dividend ETF	38.19
EPOL	iShares MSCI Poland ETF	38.42
FLCH	Franklin FTSE China ETF	38.71
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	38.96
BKF	iShares MSCI BIC ETF	39.13

\*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	-0.24%	-0.88%	-1.30%
SHY	1-3 Year Treasury Bonds	-0.01%	0.13%	0.02%
IEF	7-10 Year Treasury Bonds	-0.25%	-1.25%	-1.45%
TLT	20+ Year Treasury Bonds	-0.79%	-4.65%	-5.04%
TIP	TIPS Bonds	-0.33%	-0.65%	-0.72%
FLOT	Floating Rate Bonds	-0.02%	0.57%	0.45%
LQD	Investment Grade Corporate	-0.37%	-1.10%	-1.60%
HYG	High Yield Corporate	-0.12%	-0.43%	-0.32%
BKLN	Senior Loan	-0.05%	0.13%	0.03%
PFF	Preferred & Income Securities	-0.13%	1.09%	1.22%
MUB	Municipal Bonds	-0.07%	-0.78%	-0.89%
MBB	MBS	-0.30%	-1.22%	-1.70%
EMB	Dollar Denominated EM Bonds	-0.51%	-2.18%	-2.20%
LEMB	Local Currency EM Bond	-0.03%	-1.44%	-1.88%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.10%	-1.24%	-0.56%
DBE	Energy	0.03%	0.88%	3.00%
USO	WTI Crude Oil	-0.04%	1.41%	4.52%
BNO	Brent Crude Oil	-0.18%	1.43%	4.03%
UNG	Natural Gas	2.24%	-0.20%	-0.79%
UGA	Gasoline	-1.25%	3.54%	5.02%
DBP	Precious Metals	0.71%	-2.30%	-2.42%
GLD	Gold	0.39%	-1.22%	-1.68%
SLV	Silver	1.53%	-7.19%	-5.74%
PPLT	abrdn Physical Platin..	0.93%	-7.30%	-8.74%
PALL	abrdn Physical Palla..	1.13%	-21.15%	-13.53%
DBB	Base Metals	2.58%	-2.94%	-4.48%
CPER	Copper	1.67%	-1.62%	-1.82%
DBA	Agriculture	1.14%	2.15%	2.89%
CORN	Corn	0.10%	-5.46%	-5.24%
SOYB	Soybeans	1.09%	-4.27%	-3.78%
WEAT	Wheat	0.71%	-2.73%	-4.52%
CANE	Sugar	0.81%	11.12%	10.45%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.25%	2.32%	2.55%
UDN	Short Dollar	-0.33%	-1.69%	-2.12%
FXE	Euro	-0.38%	-1.30%	-1.58%
FXB	British Pound Sterling	-0.26%	0.11%	-0.29%
FXF	Swiss Franc	-0.23%	-1.76%	-3.40%
FXJ	Japanese Yen	-0.14%	-3.93%	-4.98%
FXC	Canadian Dollar	0.15%	-1.29%	-1.45%
FXA	Australian Dollar	0.00%	-3.17%	-3.41%

\*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](mailto:team@etfaction.com)

[www.etfaction.com](http://www.etfaction.com)