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About the ETFG ETP Weekly Select List

The ETF Global Weekly ETF Select List has been designed to support both Financial Professionals and Investors with their respective Exchange-Traded-Fund selection processes. Once the investor's risk tolerance, investment goals and resulting asset-allocation have been determined, the ETFG Weekly ETF Select List points to the highest-rated ETFs to fit the investment needs and goals of that specific portfolio.

Developed by the Research team at ETF Global, the ETFG Weekly ETF Select List features the 5 most highly rated ETFs by Sector, Geographic Region and Strategy as ranked by the ETFG Quant model. This weekly reference guide enables you to quickly and easily identify ETFs which meet your chosen criteria. Because the list highlights just five ETFs per category and the ETFG Quant model is cross-sectional in its rankings, each ETF on the list has earned its respective spot by achieving the highest relative scoring versus its eligible peer group. The universe of equity ETFs reviewed by ETFG Quant represents the broadest range of industry groups, sectors and geographic regions.

- The selection pool includes all U.S. listed, equity ETFs, excluding levered and inverse funds
- The ETFG Quant model assigns a daily ranking to all relevant products using proprietary algorithms and employing dozens of industry metrics.
- ETFG Quant has four primary drivers: Behavioral Finance (Technical Analysis & Sentiment), Fundamental Analysis, Global Themes and Quality
- Selection is performed prior to trading on Monday of each week

To best support the ETF selection process, ETF Global strongly encourages viewers to perform a more comprehensive review of the overall ETFG Quant rankings and to utilize the additional tools and resources available at www.etfg.com to further research and diligence exchange-traded-funds.

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Equity ETF Select List - Sectors

ETFGlobal[®]

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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	GOAU	U.S. Global GO GOLD and Precious Metal Miners ETF	Basic Materials	Global	0.60%	5.99	7.18	57.50
2	SLVP	iShares MSCI Global Silver Miners ETF	Basic Materials	Global	0.39%	6.04	6.65	55.50
3	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.40%	5.12	6.34	55.30
4	FMAT	Fidelity MSCI Materials Index ETF	Basic Materials	North America	0.08%	3.32	6.33	54.60
5	GOEX	Global X Gold Explorers ETF	Basic Materials	Global	0.66%	7.71	6.11	52.50
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.22	7.15	61.30
2	PMR	Invesco Dynamic Retail ETF	Consumer Discretionary	North America	0.63%	5.72	7.51	60.80
3	IEME	iShares Evolved U.S. Media and Entertainment ETF	Consumer Discretionary	North America	0.18%	4.32	7.73	59.60
4	JHMC	John Hancock Multifactor Consumer Discretionary ETF	Consumer Discretionary	North America	0.40%	3.67	7.00	57.20
5	FXD	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.64%	4.21	6.58	57.10
1	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.47%	5.26	8.78	70.80
2	FSTA	Fidelity MSCI Consumer Staples Index ETF	Consumer Staples	North America	0.08%	1.43	7.38	62.90
3	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.40%	3.68	7.14	61.10
4	IECS	iShares Evolved U.S. Consumer Staples ETF	Consumer Staples	North America	0.18%	2.34	7.34	61.00
5	PSCC	Invesco S&P SmallCap Consumer Staples ETF	Consumer Staples	North America	0.29%	3.78	6.80	60.80
1	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	5.78	8.62	69.60
2	PXI	Invesco DWA Energy Momentum ETF	Energy	North America	0.60%	6.54	7.23	62.60
3	EMLP	First Trust North American Energy Infrastructure Fund	Energy	North America	0.95%	2.55	7.31	62.10
4	JHME	John Hancock Multifactor Energy ETF	Energy	North America	0.40%	5.50	6.56	59.30
5	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.40	6.33	58.50
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.26	8.13	66.40
2	EUFN	iShares MSCI Europe Financials ETF	Financials	Europe	0.48%	4.81	6.95	58.80
3	DFNL	Davis Select Financial ETF	Financials	Global	0.65%	5.65	7.40	58.40
4	IXG	iShares Global Financials ETF	Financials	Global	0.47%	5.56	6.47	56.40
5	JHMF	John Hancock Multifactor Financials ETF	Financials	North America	0.40%	4.50	6.70	56.30
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.09	10.00	74.20
2	IXJ	iShares Global Healthcare ETF	Health Care	Global	0.47%	4.39	7.61	63.50
3	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	6.28	7.66	62.90
4	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.23	7.49	60.80
5	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	4.92	6.66	58.20
1	CARZ	First Trust NASDAQ Global Auto Index Fund	Industrials	Global	0.70%	5.84	7.69	61.00
2	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.40%	4.40	7.01	60.50
3	FIDU	Fidelity MSCI Industrials Index ETF	Industrials	North America	0.08%	2.93	6.74	59.60

4	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.30	5.96	59.00
5	XKFS	SPDR Kensho Future Security ETF	Industrials	Global	0.46%	5.28	6.72	59.00
1	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	4.15	7.50	62.40
2	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.59	7.49	61.70
3	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	2.52	6.50	57.70
4	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.70%	5.32	6.68	56.60
5	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.46%	3.03	6.44	55.50
1	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.78	7.90	64.80
2	XT	iShares Exponential Technologies ETF	Technology	Global	0.47%	3.85	6.85	60.70
3	XTH	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.31	7.18	60.70
4	FINX	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.75	7.40	59.70
5	GAMR	ETFMG Video Game Tech ETF	Technology	Global	0.75%	6.44	7.43	59.00
1	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.45	6.80	56.40
2	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	3.95	6.11	55.70
3	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	3.12	6.90	55.50
4	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.58	5.46	52.40
5	VOX	Vanguard Communication Services ETF	Telecommunications	North America	0.10%	4.60	5.22	48.40
1	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	3.53	7.01	60.10
2	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	1.99	6.68	59.70
3	UTES	Reaves Utilities ETF	Utilities	North America	0.95%	5.41	6.53	53.90
4	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.13%	2.82	4.71	51.20
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	3.93	4.67	49.80

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Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	FNI	First Trust Chindia ETF	Asia-Pacific	Broad Equity	0.60%	5.96	9.74	70.00
2	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.59%	4.31	8.09	67.50
3	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74%	5.02	7.82	63.60
4	AXJL	WisdomTree Asia-Pacific ex-Japan Fund	Asia-Pacific	Broad Equity	0.48%	4.62	7.86	63.50
5	EWM	iShares MSCI Malaysia ETF	Asia-Pacific	Broad Equity	0.47%	4.89	7.35	63.20
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.59%	7.18	9.13	70.70
2	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.47%	2.95	8.20	67.00
3	EWD	iShares MSCI Sweden ETF	Europe	Broad Equity	0.53%	5.33	8.12	65.60
4	EWP	iShares MSCI Spain ETF	Europe	Broad Equity	0.47%	5.22	7.55	62.90
5	FEU	SPDR STOXX Europe 50 ETF	Europe	Large Cap	0.29%	4.18	7.19	61.80
1	KXI	iShares Global Consumer Staples ETF	Global	Consumer Staples	0.47%	5.26	8.78	70.80
2	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	5.78	8.62	69.60
3	IOO	iShares Global 100 ETF	Global	Large Cap	0.40%	5.33	8.00	65.90
4	IXJ	iShares Global Healthcare ETF	Global	Health Care	0.47%	4.39	7.61	63.50
5	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	6.28	7.66	62.90
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.88%	7.02	9.56	71.10
2	VYMI	Vanguard International High Dividend Yield ETF	Global Ex-U.S.	High Dividend Yield	0.32%	3.73	7.67	63.00
3	IVAL	Alpha Architect International Quantitative Value ETF	Global Ex-U.S.	Broad Equity	0.79%	5.23	7.41	62.10
4	IQDY	FlexShares International Quality Dividend Dynamic Index Fund	Global Ex-U.S.	High Dividend Yield	0.47%	4.38	7.41	61.40
5	IDEV	iShares Core MSCI International Developed Markets ETF	Global Ex-U.S.	Broad Equity	0.05%	3.05	7.16	61.40
1	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.70	8.49	67.80
2	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	6.02	7.07	60.40
3	EWZ	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.59%	6.12	7.05	60.20
4	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.59%	4.72	7.03	59.20
5	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	5.29	6.34	58.10
1	EIS	iShares MSCI Israel ETF	Middle East & Africa	Broad Equity	0.59%	5.12	7.71	61.00
2	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.54	6.79	57.40
3	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.41	7.38	57.00
4	IZRL	ARK Israel Innovative Technology ETF	Middle East & Africa	Technology	0.49%	6.13	6.63	52.90
5	KSA	iShares MSCI Saudi Arabia Capped ETF	Middle East & Africa	Broad Equity	0.74%	4.54	6.80	52.80
1	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.09	10.00	74.20
2	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	4.63	9.55	73.50

3	IWR	iShares Russell Mid-Cap ETF	North America	Mid Cap	0.20%	4.90	9.21	72.60
4	MDYV	SPDR S&P 400 Mid Cap Value ETF	North America	Mid Cap	0.15%	5.20	8.79	70.50
5	SPYV	SPDR Portfolio S&P 500 Value ETF	North America	Large Cap	0.04%	4.35	8.76	70.20
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	6.73	7.95	64.20
2	XCEM	Columbia EM Core ex-China ETF	Emerging Markets	Broad Equity	0.35%	5.07	7.44	59.70
3	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.67%	5.08	6.61	57.60
4	RFEM	First Trust RiverFront Dynamic Emerging Markets ETF	Emerging Markets	Broad Equity	0.95%	6.66	6.50	56.60
5	DVEM	WisdomTree Emerging Markets Dividend Fund	Emerging Markets	High Dividend Yield	0.32%	4.23	6.72	56.20
1	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.50%	3.72	7.55	59.90
2	HEDJ	WisdomTree Europe Hedged Equity Fund	Developed Markets	Broad Equity	0.58%	4.02	6.87	59.40
3	RFDI	First Trust RiverFront Dynamic Developed International ETF	Developed Markets	Broad Equity	0.83%	5.06	6.66	59.00
4	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	2.59	6.53	58.50
5	PID	Invesco International Dividend Achievers ETF	Developed Markets	High Dividend Yield	0.55%	3.21	6.57	57.50

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Equity ETF Select List - Strategies



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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	FVL	First Trust Value Line 100 Exchange-Traded Fund	Alpha-Seeking	North America	0.70%	3.41	7.26	61.40
2	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	4.73	7.14	60.00
3	VALX	Validea Market Legends ETF	Alpha-Seeking	Global	0.81%	6.77	7.38	59.00
4	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	6.80	7.28	58.20
5	FPXI	First Trust International Equity Opportunities ETF	Alpha-Seeking	Global Ex-U.S.	0.70%	5.50	7.84	57.90
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.88%	7.02	9.56	71.10
2	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.59%	7.18	9.13	70.70
3	FNI	First Trust Chindia ETF	Broad Equity	Asia-Pacific	0.60%	5.96	9.74	70.00
4	EWW	iShares MSCI Mexico ETF	Broad Equity	Latin America	0.47%	5.70	8.49	67.80
5	EWY	iShares MSCI South Korea ETF	Broad Equity	Asia-Pacific	0.59%	4.31	8.09	67.50
1	VYMI	Vanguard International High Dividend Yield ETF	High Dividend Yield	Global Ex-U.S.	0.32%	3.73	7.67	63.00
2	IQDY	FlexShares International Quality Dividend Dynamic Index Fund	High Dividend Yield	Global Ex-U.S.	0.47%	4.38	7.41	61.40
3	LVHD	Legg Mason Low Volatility High Dividend ETF	High Dividend Yield	North America	0.27%	2.12	7.31	60.30
4	DGRO	iShares Core Dividend Growth ETF	High Dividend Yield	North America	0.08%	1.02	6.87	60.20
5	FDVV	Fidelity Core Dividend ETF	High Dividend Yield	Global	0.29%	1.88	7.08	60.20
1	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	5.48	6.16	54.10
2	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	4.07	5.85	53.30
3	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	1.65	4.86	46.50
4	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	7.22	5.10	43.00
5	CHEP	AGFiQ US Market Neutral Value Fund	Long/Short	North America	0.75%	7.01	5.24	42.80
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.62	5.39	50.90
2	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.46%	2.97	5.75	50.60
3	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.93	4.81	44.30
4	VRP	Invesco Variable Rate Preferred ETF	Preferred Stock	North America	0.50%	1.46	4.04	43.90
5	PGF	Invesco Financial Preferred ETF	Preferred Stock	North America	0.63%	2.79	3.81	43.10
1	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	6.73	7.95	64.20
2	SUSA	iShares MSCI USA ESG Select ETF	Theme	North America	0.25%	4.24	7.31	62.60
3	KRMA	Global X Conscious Companies ETF	Theme	North America	0.43%	3.31	7.06	60.80
4	SEA	Invesco Shipping ETF	Theme	Global	0.66%	6.79	7.01	60.30
5	BFIT	Global X Health & Wellness Thematic ETF	Theme	Developed Markets	0.50%	3.72	7.55	59.90
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	4.63	9.55	73.50
2	SPYV	SPDR Portfolio S&P 500 Value ETF	Large Cap	North America	0.04%	4.35	8.76	70.20

3	SPYG	SPDR Portfolio S&P 500 Growth ETF	Large Cap	North America	0.04%	3.89	8.23	67.00
4	IOO	iShares Global 100 ETF	Large Cap	Global	0.40%	5.33	8.00	65.90
5	EEH	ELEMENTS SPECTRUM ETN	Large Cap	North America	0.75%	5.81	8.37	64.20
1	IWR	iShares Russell Mid-Cap ETF	Mid Cap	North America	0.20%	4.90	9.21	72.60
2	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15%	5.20	8.79	70.50
3	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15%	5.08	7.93	65.50
4	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.73	7.34	60.40
5	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	3.90	6.70	60.00
1	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15%	5.38	8.73	70.00
2	SLY	SPDR S&P 600 Small CapETF	Small Cap	North America	0.15%	5.36	8.69	69.40
3	SLYG	SPDR S&P 600 Small Cap Growth ETF	Small Cap	North America	0.15%	5.30	8.12	66.30
4	SMDV	ProShares Russell 2000 Dividend Growers ETF	Small Cap	North America	0.40%	3.97	7.12	63.00
5	ASHS	X-trackers Harvest CSI 500 China-A Shares Small Cap Fund	Small Cap	Asia-Pacific	0.65%	9.17	8.55	60.30
1	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	4.41	4.80	47.40
2	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.30	3.42	39.60

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*Key

***ETF Global 10 Red Diamond Risk Rating:** An ETF Global 10 Red Diamond Risk Rating represents the ETFs with the highest risk rating. A 1 Red Diamond Risk Rating represents the ETFs with the lowest risk ratings. ETFG's Risk Rating measures two primary risk categories: Price Risk and Integrity Risk. Price and Integrity risk are equally weighted in the overall risk rating with Price Risk calculating 7 equally weighted underlying measurements covering such aspects as volatility and deviation. Integrity Risk calculates 8 equally weighted underlying measurements regarding the structure and trading characteristics of the security and its sponsor. The Overall Risk Rating Score is aggregated and carried to two decimal places to generate the ETFG Red Diamond Risk Rating. ◆◆◆◆◆◆◆◆◆◆

***ETF Global 10 Green Diamond Reward Rating:** An ETF Global 10 Green Diamond Reward Rating reflects an ETF with the most attractive reward rating and a Green Diamond Reward Rating of 1 reflects an individual ETF carrying the least attractive reward rating. ETFG's Green Diamond Reward Rating System is calculated utilizing the ETFG proprietary Model measuring two primary reward categories: Fundamental and Behavioral. Fundamental and Behavioral are equally weighted and driven by ETFG's proprietary algorithms in 25 underlying fields. The Overall Rating Score is aggregated and carried to two decimal places to generate the Reward Rating. ◆◆◆◆◆◆◆◆◆◆

***About the ETFGSM Quant Model:** The universe of equity ETFs reviewed by ETFGSM Quant represents the broadest range of industry groups, sectors and geographic regions. The ETFGSM Quant model assigns a daily ranking to all relevant products using proprietary algorithms and employing dozens of industry metrics to gauge how likely an equity ETF will outperform the market in the foreseeable future. ETFGSM Quant evaluates four primary categories that drive the results of the model: Behavioral Finance (Technical Analysis & Sentiment), Fundamental Analysis, Global Themes and Quality. For detailed information

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