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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	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	4.88	6.80	57.80
2	FMAT	Fidelity MSCI Materials Index ETF	Basic Materials	North America	0.08%	2.71	6.16	54.60
3	SLVP	iShares MSCI Global Silver Miners ETF	Basic Materials	Global	0.39%	5.87	5.93	52.20
4	SLX	VanEck Vectors Steel Index Fund	Basic Materials	Global	0.55%	6.31	5.41	51.90
5	LIT	Global X Lithium & Battery Tech ETF	Basic Materials	Global	0.75%	4.37	5.40	51.70
1	CNDX	iShares Edge MSCI Multifactor Consumer Discretionary ETF	Consumer Discretionary	North America	0.35%	4.24	7.29	59.90
2	PMR	Invesco Dynamic Retail ETF	Consumer Discretionary	North America	0.63%	5.40	6.95	59.00
3	IBUY	Amplify Online Retail ETF	Consumer Discretionary	Global	0.65%	6.23	7.35	58.20
4	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	4.61	6.36	57.70
5	FXD	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.63%	3.93	6.34	56.00
1	PBJ	Invesco Dynamic Food & Beverage ETF	Consumer Staples	North America	0.58%	4.94	7.15	61.90
2	XLP	Consumer Staples Select Sector SPDR Fund	Consumer Staples	North America	0.14%	2.69	6.69	61.80
3	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.48%	5.84	7.01	61.70
4	PSCC	Invesco S&P SmallCap Consumer Staples ETF	Consumer Staples	North America	0.29%	4.06	6.92	61.30
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	4.17	6.96	60.20
1	AMLX	Alerian MLP ETF	Energy	North America	0.85%	6.42	8.46	64.20
2	MLPA	Global X MLP ETF	Energy	North America	0.47%	6.17	8.39	63.70
3	EMLP	First Trust North American Energy Infrastructure Fund	Energy	North America	0.95%	4.68	7.36	62.90
4	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.65	6.93	61.90
5	AMJ	JPMorgan Alerian MLP Index ETN	Energy	North America	0.85%	6.77	7.30	61.80
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.05	7.34	62.60
2	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	3.76	6.58	57.80
3	EUFN	iShares MSCI Europe Financials ETF	Financials	Europe	0.48%	5.31	6.58	57.40
4	DXJF	WisdomTree Japan Hedged Financials Fund	Financials	Asia-Pacific	0.48%	5.73	6.65	57.10
5	FNCF	iShares Edge MSCI Multifactor Financials ETF	Financials	North America	0.35%	4.95	6.74	56.70
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	4.76	10.00	75.50
2	IXJ	iShares Global Healthcare ETF	Health Care	Global	0.48%	4.66	8.85	70.50
3	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	5.99	8.58	68.30
4	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.49	7.42	61.30
5	IHE	iShares US Pharmaceuticals ETF	Health Care	North America	0.44%	5.78	7.37	61.10
1	IYT	iShares Transportation Average ETF	Industrials	North America	0.44%	5.00	5.94	58.90
2	INDX	iShares Edge MSCI Multifactor Industrials ETF	Industrials	North America	0.35%	5.29	6.46	58.50
3	FTXR	First Trust Nasdaq Transportation ETF	Industrials	North America	0.60%	4.62	6.51	58.20

4	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	4.17	6.42	57.50
5	FIDU	Fidelity MSCI Industrials Index ETF	Industrials	North America	0.08%	2.40	6.16	57.00
1	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	3.10	7.12	61.00
2	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.46%	4.20	6.79	57.50
3	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.85	6.57	57.00
4	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.53	5.94	55.00
5	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.70%	4.94	6.02	53.20
1	CIBR	First Trust Nasdaq Cybersecurity ETF	Technology	Global	0.60%	4.52	7.52	64.20
2	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.24	7.35	62.70
3	FINX	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.33	7.72	62.20
4	TCHF	iShares Edge MSCI Multifactor Technology ETF	Technology	North America	0.35%	5.24	7.29	61.40
5	XITK	SPDR FactSet Innovative Technology ETF	Technology	North America	0.45%	6.48	7.26	59.70
1	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	4.33	7.11	59.60
2	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.48%	5.87	6.89	59.20
3	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.80	5.94	54.90
4	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.44%	4.32	5.57	53.10
5	VOX	Vanguard Communication Services ETF	Telecommunications	North America	0.10%	4.98	5.84	51.20
1	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.18	7.03	61.70
2	UTLF	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	4.47	6.91	60.30
3	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.14%	3.07	5.87	57.30
4	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	4.22	6.03	55.00
5	UTES	Reaves Utilities ETF	Utilities	North America	0.95%	5.74	6.24	51.90

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Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.62%	4.13	7.84	66.80
2	EIDO	iShares MSCI Indonesia ETF	Asia-Pacific	Broad Equity	0.63%	4.14	8.35	66.60
3	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74%	5.43	8.12	65.90
4	EPHE	iShares MSCI Philippines ETF	Asia-Pacific	Broad Equity	0.58%	5.07	7.69	62.90
5	FNI	First Trust Chindia ETF	Asia-Pacific	Broad Equity	0.60%	5.39	8.05	62.60
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.62%	7.35	8.35	67.20
2	EWI	iShares MSCI Italy ETF	Europe	Broad Equity	0.49%	6.37	7.85	64.60
3	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.49%	3.50	7.01	61.20
4	IEUR	iShares Core MSCI Europe ETF	Europe	Broad Equity	0.10%	3.62	7.00	60.60
5	FEUZ	First Trust Eurozone AlphaDEX ETF	Europe	Broad Equity	0.80%	5.88	7.20	60.20
1	IXJ	iShares Global Healthcare ETF	Global	Health Care	0.48%	4.66	8.85	70.50
2	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	5.99	8.58	68.30
3	CIBR	First Trust Nasdaq Cybersecurity ETF	Global	Technology	0.60%	4.52	7.52	64.20
4	IOO	iShares Global 100 ETF	Global	Large Cap	0.40%	5.58	7.37	62.90
5	FINX	Global X FinTech Thematic ETF	Global	Technology	0.68%	4.33	7.72	62.20
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.89%	7.57	8.90	66.80
2	IPOS	Renaissance International IPO ETF	Global Ex-U.S.	Alpha-Seeking	0.80%	8.30	7.92	60.50
3	DHDG	WisdomTree Dynamic Currency Hedged International Quality Dividen	Global Ex-U.S.	Broad Equity	0.48%	2.11	7.14	59.30
4	RNDM	Developed International Equity Select ETF	Global Ex-U.S.	Broad Equity	0.65%	4.78	7.05	59.10
5	IVAL	Alpha Architect International Quantitative Value ETF	Global Ex-U.S.	Broad Equity	0.79%	5.23	6.67	58.40
1	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.49%	5.62	7.52	63.30
2	EWZ	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.63%	6.26	7.55	63.20
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.49%	5.98	7.03	60.70
4	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.63%	5.49	7.19	60.10
5	FLN	First Trust Latin America AlphaDEX Fund	Latin America	Broad Equity	0.80%	6.68	7.03	59.50
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.62%	6.90	7.01	58.40
2	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	4.98	7.49	57.90
3	EIS	iShares MSCI Israel ETF	Middle East & Africa	Broad Equity	0.62%	5.01	6.51	55.20
4	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.88%	5.89	6.22	52.10
5	ISRA	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.60%	4.69	6.14	51.60
1	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	4.76	10.00	75.50
2	SLYV	SPDR S&P 600 Small CapValue ETF	North America	Small Cap	0.15%	4.27	8.26	68.20

3	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	3.93	8.24	67.50
4	SLY	SPDR S&P 600 Small CapETF	North America	Small Cap	0.15%	4.61	8.18	67.40
5	MDYV	SPDR S&P 400 Mid Cap Value ETF	North America	Mid Cap	0.15%	4.17	8.05	67.30
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	7.19	8.23	66.30
2	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.69%	5.11	6.94	59.70
3	SCHE	Schwab Emerging Markets Equity ETF	Emerging Markets	Broad Equity	0.13%	4.00	6.74	59.40
4	CEZ	VictoryShares Emerging Market Volatility Wtd ETF	Emerging Markets	Large Cap	0.50%	5.45	7.21	59.00
5	VWO	Vanguard FTSE Emerging Markets ETF	Emerging Markets	Broad Equity	0.14%	4.44	6.74	56.90
1	HEDJ	WisdomTree Europe Hedged Equity Fund	Developed Markets	Broad Equity	0.58%	4.39	7.24	61.90
2	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.50%	3.84	7.56	60.40
3	EFV	iShares MSCI EAFE Value ETF	Developed Markets	Broad Equity	0.40%	5.08	6.80	60.00
4	GCOW	Pacer Global Cash Cows Dividend ETF	Developed Markets	High Dividend Yield	0.60%	3.75	6.52	56.00
5	EFA	iShares MSCI EAFE ETF	Developed Markets	Broad Equity	0.32%	4.52	5.76	55.00

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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%	4.28	8.11	66.20
2	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	5.86	7.38	62.20
3	IPOS	Renaissance International IPO ETF	Alpha-Seeking	Global Ex-U.S.	0.80%	8.30	7.92	60.50
4	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return In	Alpha-Seeking	North America	0.75%	6.68	7.37	58.90
5	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	3.54	6.77	58.90
1	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.62%	7.35	8.35	67.20
2	EWY	iShares MSCI South Korea ETF	Broad Equity	Asia-Pacific	0.62%	4.13	7.84	66.80
3	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.89%	7.57	8.90	66.80
4	EIDO	iShares MSCI Indonesia ETF	Broad Equity	Asia-Pacific	0.63%	4.14	8.35	66.60
5	EWI	iShares MSCI Italy ETF	Broad Equity	Europe	0.49%	6.37	7.85	64.60
1	SPYD	SPDR Portfolio S&P 500 High Dividend ETF	High Dividend Yield	North America	0.07%	2.26	6.49	59.80
2	FDVV	Fidelity Core Dividend ETF	High Dividend Yield	Global	0.29%	2.24	7.02	58.60
3	RDIV	Oppenheimer S&P Ultra Dividend Revenue ETF	High Dividend Yield	North America	0.39%	2.76	6.56	57.10
4	IQDY	FlexShares International Quality Dividend Dynamic Index Fund	High Dividend Yield	Global Ex-U.S.	0.47%	5.00	6.51	57.00
5	VYMI	Vanguard International High Dividend Yield ETF	High Dividend Yield	Global Ex-U.S.	0.32%	3.84	6.50	56.70
1	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	4.20	5.65	53.50
2	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.77%	1.92	5.98	52.00
3	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	4.25	6.11	51.30
4	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	7.08	5.95	44.90
5	ALFA	AlphaClone Alternative Alpha ETF	Long/Short	North America	0.65%	6.77	4.36	42.50
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.77	4.94	48.70
2	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.47%	3.14	4.64	45.50
3	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.85	4.71	45.20
4	VRP	Invesco Variable Rate Preferred ETF	Preferred Stock	North America	0.50%	2.32	4.72	44.20
5	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	4.82	4.55	43.20
1	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	7.19	8.23	66.30
2	BOSS	Global X Founder-Run Companies ETF	Theme	North America	0.65%	6.47	7.55	61.20
3	SUSA	iShares MSCI USA ESG Select ETF	Theme	North America	0.25%	4.00	7.05	60.90
4	BFIT	Global X Health & Wellness Thematic ETF	Theme	Developed Markets	0.50%	3.84	7.56	60.40
5	ARKG	ARK Genomic Revolution Multi-Sector ETF	Theme	Global	0.75%	6.62	7.84	59.50
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	3.93	8.24	67.50
2	SPYG	SPDR Portfolio S&P 500 Growth ETF	Large Cap	North America	0.04%	4.05	7.96	66.10

3	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.74%	5.43	8.12	65.90
4	SPYV	SPDR Portfolio S&P 500 Value ETF	Large Cap	North America	0.04%	4.04	7.41	63.60
5	IOO	iShares Global 100 ETF	Large Cap	Global	0.40%	5.58	7.37	62.90
1	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15%	4.17	8.05	67.30
2	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.31	7.54	61.90
3	DON	WisdomTree U.S. MidCap Dividend Fund	Mid Cap	North America	0.38%	4.89	7.02	61.10
4	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15%	4.81	6.93	60.50
5	PTMC	Pacer Trendpilot US Mid Cap ETF	Mid Cap	North America	0.60%	3.14	7.01	60.00
1	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15%	4.27	8.26	68.20
2	SLY	SPDR S&P 600 Small CapETF	Small Cap	North America	0.15%	4.61	8.18	67.40
3	SLYG	SPDR S&P 600 Small Cap Growth ETF	Small Cap	North America	0.15%	4.87	7.37	63.10
4	DES	WisdomTree U.S. SmallCap Dividend Fund	Small Cap	North America	0.38%	4.65	7.49	62.90
5	SMDV	ProShares Russell 2000 Dividend Growers ETF	Small Cap	North America	0.40%	3.54	6.98	62.40
1	PZI	Invesco Zacks Micro Cap ETF	Micro Cap	North America	1.24%	4.13	6.79	57.00
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	3.85	5.63	51.70
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	4.60	4.43	44.90
4	WMCR	Invesco Wilshire Micro-Cap ETF	Micro Cap	North America	0.58%	5.37	4.59	43.50

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*Key

***ETF Global 10 Red Diamond Risk Rating:** An ETFG 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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