

Weekly ETF Equity Select List

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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.

continued on next page

Equity ETF Select List - Sectors

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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	MATF	iShares Edge MSCI Multifactor Materials ETF	Basic Materials	North America	0.35%	6.25	7.67	64.40
2	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	4.86	6.95	60.00
3	SGDJ	Sprott Junior Gold Miners ETF	Basic Materials	Global	0.57%	6.84	7.20	59.70
4	SIL	Global X Silver Miners ETF	Basic Materials	Global	0.65%	7.38	6.43	56.10
5	GDXJ	VanEck Vectors Junior Gold Miners ETF	Basic Materials	Global	0.56%	7.32	5.66	55.20
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.34	7.55	65.90
2	PMR	PowerShares Dynamic Retail Portfolio	Consumer Discretionary	North America	0.63%	5.96	7.29	62.40
3	PEJ	Powershares Dynamic Leisure & Entertainment Portfolio	Consumer Discretionary	North America	0.61%	4.35	6.66	58.60
4	FXD	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.61%	4.35	6.25	56.20
5	XHB	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	3.51	5.58	54.90
1	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	Consumer Staples	North America	0.29%	3.98	7.61	66.50
2	CNSF	iShares Edge MSCI Multifactor Consumer Staples ETF	Consumer Staples	North America	0.35%	4.32	6.88	62.60
3	XLP	Consumer Staples Select Sector SPDR Fund	Consumer Staples	North America	0.14%	2.20	6.00	59.40
4	PBJ	Powershares Dynamic Food & Beverage Portfolio	Consumer Staples	North America	0.58%	3.28	6.19	58.50
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	4.67	6.21	56.80
1	ERGF	iShares Edge MSCI Multifactor Energy ETF	Energy	North America	0.35%	5.14	7.76	67.50
2	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.51	7.43	65.60
3	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	6.18	7.00	63.80
4	JHME	John Hancock Multifactor Energy ETF	Energy	North America	0.50%	6.08	7.30	63.30
5	PXI	PowerShares DWA Energy Momentum Portfolio	Energy	North America	0.60%	7.00	6.39	61.40
1	FNCF	iShares Edge MSCI Multifactor Financials ETF	Financials	North America	0.35%	6.19	7.73	64.40
2	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	4.74	7.49	63.30
3	CHIX	Global X China Financials ETF	Financials	Asia-Pacific	0.65%	3.83	6.73	57.50
4	KBWD	PowerShares KBW High Dividend Yield Financial Portfolio	Financials	North America	3.08%	5.28	6.29	56.90
5	PEX	ProShares Global Listed Private Equity ETF	Financials	Global	0.72%	5.06	6.44	56.00
1	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	5.57	8.00	67.00
2	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.42	7.46	63.00
3	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	5.90	7.50	63.00
4	ORG	The Organics ETF	Health Care	Global	0.50%	5.23	7.55	61.60
5	HCRF	iShares Edge MSCI Multifactor Healthcare ETF	Health Care	North America	0.35%	4.20	6.80	60.70
1	INDF	iShares Edge MSCI Multifactor Industrials ETF	Industrials	North America	0.35%	5.22	6.61	61.70
2	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.50	5.98	60.60
3	DXJC	WisdomTree Japan Hedged Capital Goods Fund	Industrials	Asia-Pacific	0.48%	6.30	7.00	60.60
4	CARZ	First Trust NASDAQ Global Auto Index Fund	Industrials	Global	0.70%	5.69	6.86	58.70
5	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	3.94	6.26	58.00

1	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	4.20	6.66	59.30
2	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	3.84	6.08	57.00
3	PAGG	PowerShares Global Agriculture Portfolio	Natural Resources	Global	0.76%	6.95	5.77	53.80
4	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.70%	5.54	5.98	53.80
5	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.45%	4.37	4.94	49.10
1	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.09	7.22	62.90
2	TCHF	iShares Edge MSCI Multifactor Technology ETF	Technology	North America	0.35%	5.04	7.04	61.70
3	XTH	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	5.99	6.72	60.80
4	SOXX	iShares PHLX Semiconductor ETF	Technology	North America	0.47%	4.71	6.09	58.80
5	PRNT	The 3D Printing ETF	Technology	Global	0.66%	5.38	7.19	58.50
1	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	4.45	7.22	57.10
2	VOX	Vanguard Telecommunication Services ETF	Telecommunications	North America	0.10%	5.07	5.73	55.10
3	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.50	5.78	54.80
4	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.50	5.23	52.50
5	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	5.29	4.46	48.70
1	UTLF	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	4.54	7.06	63.70
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	4.03	6.54	58.80
3	UTES	Reaves Utilities ETF	Utilities	North America	0.95%	5.85	6.34	54.00
4	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	4.74	4.57	50.60
5	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.14%	3.37	3.93	48.50

continued on next page

Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	EWY	iShares MSCI South Korea Capped ETF	Asia-Pacific	Broad Equity	0.62%	4.20	7.94	68.80
2	FNI	First Trust ISE Chindia Index Fund	Asia-Pacific	Broad Equity	0.60%	5.72	8.84	68.10
3	PGJ	Powershares Golden Dragon China Portfolio	Asia-Pacific	Broad Equity	0.70%	6.26	8.09	62.80
4	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.73%	4.81	7.26	62.60
5	FXJP	PowerShares Japan Currency Hedged Low Volatility Portfolio	Asia-Pacific	Broad Equity	0.25%	5.92	7.27	61.40
1	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.48%	3.28	7.60	65.70
2	FEUZ	First Trust Eurozone AlphaDEX ETF	Europe	Broad Equity	0.80%	5.87	7.65	64.40
3	QDEU	SPDR MSCI Germany Quality Mix ETF	Europe	Broad Equity	0.30%	5.34	7.14	61.70
4	EDOM	WisdomTree Europe Domestic Economy Fund	Europe	Broad Equity	0.48%	4.25	7.29	61.30
5	DAX	Horizons DAX Germany ETF	Europe	Large Cap	0.20%	5.40	7.44	60.60
1	PPH	VanEck Vectors Pharmaceutical ETF	Global	Health Care	0.35%	5.57	8.00	67.00
2	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Global	Theme	0.68%	3.26	7.39	66.10
3	CRAK	VanEck Vectors Oil Refiners ETF	Global	Energy	0.59%	4.51	7.43	65.60
4	WTRX	Summit Water Infrastructure Multifactor ETF	Global	Theme	0.80%	4.98	7.63	64.00
5	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	6.18	7.00	63.80
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	1.27%	7.14	10.00	75.60
2	IDOG	ALPS International Sector Dividend Dogs ETF	Global Ex-U.S.	Large Cap	0.50%	5.42	7.20	64.40
3	GURI	Global X Guru International Index ETF	Global Ex-U.S.	Alpha-Seeking	0.75%	7.09	7.52	61.50
4	FNDF	Schwab Fundamental International Large Company Index	Global Ex-U.S.	Large Cap	0.32%	3.14	7.05	61.40
5	ESGD	iShares MSCI EAFE ESG Select ETF	Global Ex-U.S.	Theme	0.20%	2.75	6.84	61.40
1	ECH	iShares MSCI Chile Capped ETF	Latin America	Broad Equity	0.62%	4.81	6.26	59.80
2	BMLA	BullMark LatAm Select Leaders ETF	Latin America	Broad Equity	0.70%	7.54	7.28	59.60
3	EPU	iShares MSCI All Peru Capped ETF	Latin America	Broad Equity	0.63%	5.59	6.66	58.60
4	EWW	iShares MSCI Mexico Capped ETF	Latin America	Broad Equity	0.48%	5.03	6.02	56.70
5	EWZ	iShares MSCI Brazil Capped ETF	Latin America	Broad Equity	0.62%	6.46	5.92	55.90
1	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.93%	5.96	6.97	58.20
2	EIS	iShares MSCI Israel Capped ETF	Middle East & Africa	Broad Equity	0.62%	5.44	6.31	56.30
3	ISRA	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.59%	5.36	6.51	55.90
4	ITEQ	BlueStar TA-BIGTECH Israel Technology ETF	Middle East & Africa	Technology	0.75%	4.91	5.79	51.90
5	QAT	iShares MSCI Qatar Capped ETF	Middle East & Africa	Broad Equity	0.64%	5.95	5.53	51.40
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	3.70	9.10	73.90
2	CNTR	PowerShares Contrarian Opportunities Portfolio	North America	Broad Equity	0.35%	4.53	8.81	72.30
3	ERGF	iShares Edge MSCI Multifactor Energy ETF	North America	Energy	0.35%	5.14	7.76	67.50
4	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	North America	Consumer Staples	0.29%	3.98	7.61	66.50
5	XRT	SPDR S&P Retail ETF	North America	Consumer Discretionary	0.35%	5.34	7.55	65.90

1	ESGE	iShares MSCI EM ESG Select ETF	Emerging Markets	Theme	0.25%	3.75	7.05	61.10
2	FLQE	Franklin LibertyQ Emerging Markets ETF	Emerging Markets	Broad Equity	0.55%	4.09	6.97	58.90
3	EMQQ	Emerging Markets Internet & Ecommerce ETF	Emerging Markets	Technology	0.86%	5.97	7.20	58.40
4	EYLD	Cambria Emerging Shareholder Yield ETF	Emerging Markets	Broad Equity	0.69%	7.46	6.68	56.50
5	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.72%	4.84	6.02	56.30
1	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	2.93	6.82	61.70
2	HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	Developed Markets	Large Cap	0.43%	4.44	7.02	60.80
3	GCOW	Pacer Global High Dividend ETF	Developed Markets	High Dividend Yield	0.60%	3.59	6.80	58.50
4	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	4.17	6.83	58.30
5	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.68%	4.82	6.86	57.60

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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%	4.22	7.58	65.30
2	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return In	Alpha-Seeking	North America	0.75%	7.14	7.93	63.30
3	GURI	Global X Guru International Index ETF	Alpha-Seeking	Global Ex-U.S.	0.75%	7.09	7.52	61.50
4	TTFS	Wilshire Buyback ETF	Alpha-Seeking	North America	0.90%	5.45	6.98	60.30
5	IBLN	Direxion iBillionaire Index ETF	Alpha-Seeking	North America	0.65%	4.21	6.31	57.10
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	1.27%	7.14	10.00	75.60
2	CNTR	PowerShares Contrarian Opportunities Portfolio	Broad Equity	North America	0.35%	4.53	8.81	72.30
3	EWY	iShares MSCI South Korea Capped ETF	Broad Equity	Asia-Pacific	0.62%	4.20	7.94	68.80
4	FNI	First Trust ISE Chindia Index Fund	Broad Equity	Asia-Pacific	0.60%	5.72	8.84	68.10
5	EWU	iShares MSCI United Kingdom ETF	Broad Equity	Europe	0.48%	3.28	7.60	65.70
1	GHI	Guggenheim S&P High Income Infrastructure ETF	High Dividend Yield	Global	0.45%	4.81	6.81	60.80
2	RDVY	First Trust NASDAQ Rising Dividend Achievers	High Dividend Yield	North America	0.50%	3.50	6.13	58.90
3	GCOW	Pacer Global High Dividend ETF	High Dividend Yield	Developed Markets	0.60%	3.59	6.80	58.50
4	RDIV	Oppenheimer Ultra Dividend Revenue ETF	High Dividend Yield	North America	0.39%	3.69	6.61	58.30
5	QINC	First Trust RBA Quality Income ETF	High Dividend Yield	Global	0.70%	3.29	6.12	57.20
1	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.47%	5.73	5.88	55.70
2	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	2.79	5.90	54.20
3	MOM	QuantShares U.S. Market Neutral Momentum Fund	Long/Short	North America	0.75%	7.52	6.84	52.10
4	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.76%	2.14	5.85	51.90
5	CHEP	QuantShares U.S. Market Neutral Value Fund	Long/Short	North America	0.75%	7.95	6.70	50.40
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.40%	2.66	4.52	46.60
2	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	5.77	4.31	43.10
3	VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	North America	0.50%	1.66	3.90	42.90
4	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.69	3.85	42.00
5	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.47%	2.67	3.57	41.80
1	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Theme	Global	0.68%	3.26	7.39	66.10
2	WTRX	Summit Water Infrastructure Multifactor ETF	Theme	Global	0.80%	4.98	7.63	64.00
3	ESGD	iShares MSCI EAFE ESG Select ETF	Theme	Global Ex-U.S.	0.20%	2.75	6.84	61.40
4	ESGE	iShares MSCI EM ESG Select ETF	Theme	Emerging Markets	0.25%	3.75	7.05	61.10
5	ARKQ	ARK Industrial Innovation ETF	Theme	Global	0.75%	5.54	7.35	61.00
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	3.70	9.10	73.90
2	IDOG	ALPS International Sector Dividend Dogs ETF	Large Cap	Global Ex-U.S.	0.50%	5.42	7.20	64.40
3	EEH	ELEMENTS SPECTRUM ETN	Large Cap	North America	0.75%	6.85	7.99	63.60
4	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.73%	4.81	7.26	62.60
5	FNDF	Schwab Fundamental International Large Company Index	Large Cap	Global Ex-U.S.	0.32%	3.14	7.05	61.40

1	JPME	JPMorgan Diversified Return U.S. Mid Cap Equity ETF	Mid Cap	North America	0.34%	3.39	6.99	60.70
2	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	4.19	5.96	58.00
3	EWMC	Guggenheim S&P MidCap 400 Equal Weight ETF	Mid Cap	North America	0.42%	4.37	5.81	56.50
4	RFV	Guggenheim S&P Midcap 400 Pure Value ETF	Mid Cap	North America	0.35%	4.20	5.80	56.10
5	PTMC	Pacer Trendpilot 450 ETF	Mid Cap	North America	0.60%	4.06	6.22	55.50
1	SCAP	Cornerstone Small Cap ETF	Small Cap	North America	0.90%	5.95	7.40	62.10
2	RZV	Guggenheim S&P Smallcap 600 Pure Value ETF	Small Cap	North America	0.36%	4.81	7.00	61.90
3	CSB	VictoryShares US Small Cap High Div Volatility Wtd ETF	Small Cap	North America	0.35%	3.98	7.23	61.20
4	FNDC	Schwab Fundamental International Small Cap Company index	Small Cap	Global Ex-U.S.	0.46%	2.98	6.46	59.00
5	FYT	First Trust Small Cap Value AlphaDEX Fund	Small Cap	North America	0.70%	4.09	6.45	58.80
1	PZI	Powershares Zacks Micro Cap Portfolio	Micro Cap	North America	0.81%	5.13	7.49	62.70
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.26	6.05	54.90
3	WMCR	Wilshire Micro-Cap ETF	Micro Cap	North America	0.59%	3.99	4.84	47.80
4	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	4.78	3.43	40.80

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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 regarding the ETFGSM Quant Model, please review the ETFGSM Quant White Paper at (www.etfg.com/quant-white-paper) or review all the Equity ETFs ranked by ETFG Quant at <http://www.etfg.com/research/quant>.

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