

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.

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Equity ETF Select List - Sectors

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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	SGDJ	Sprott Junior Gold Miners ETF	Basic Materials	Global	0.57%	6.59	7.46	59.50
2	SIL	Global X Silver Miners ETF	Basic Materials	Global	0.65%	7.16	7.41	59.10
3	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	4.23	7.14	58.20
4	MATF	iShares Edge MSCI Multifactor Materials ETF	Basic Materials	North America	0.35%	6.06	7.01	56.70
5	GDJX	VanEck Vectors Junior Gold Miners ETF	Basic Materials	Global	0.56%	6.67	6.25	55.50
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.56	8.59	67.80
2	PMR	PowerShares Dynamic Retail Portfolio	Consumer Discretionary	North America	0.63%	6.25	8.45	65.30
3	CNDF	iShares Edge MSCI Multifactor Consumer Discretionary ETF	Consumer Discretionary	North America	0.35%	5.01	7.69	60.10
4	FXD	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.61%	4.00	7.29	59.60
5	PEJ	Powershares Dynamic Leisure & Entertainment Portfolio	Consumer Discretionary	North America	0.61%	4.45	6.76	56.30
1	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	Consumer Staples	North America	0.29%	4.38	8.03	65.40
2	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	5.22	7.74	62.60
3	WSKY	Spirited Funds/ETFMG Whiskey & Spirits ETF	Consumer Staples	Global	0.60%	5.42	8.18	60.70
4	CNSF	iShares Edge MSCI Multifactor Consumer Staples ETF	Consumer Staples	North America	0.35%	4.93	6.89	58.80
5	PBJ	Powershares Dynamic Food & Beverage Portfolio	Consumer Staples	North America	0.58%	3.81	6.57	58.00
1	JHME	John Hancock Multifactor Energy ETF	Energy	North America	0.50%	5.48	7.91	64.50
2	ERGF	iShares Edge MSCI Multifactor Energy ETF	Energy	North America	0.35%	5.15	7.84	64.40
3	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.66	7.08	60.80
4	PXI	PowerShares DWA Energy Momentum Portfolio	Energy	North America	0.60%	7.10	6.85	59.80
5	MLPA	Global X MLP ETF	Energy	North America	0.45%	6.35	7.76	58.10
1	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	4.04	7.12	58.80
2	CHIX	Global X China Financials ETF	Financials	Asia-Pacific	0.65%	4.65	6.93	54.90
3	KBWD	PowerShares KBW High Dividend Yield Financial Portfolio	Financials	North America	2.99%	5.08	6.25	54.20
4	EUFN	iShares MSCI Europe Financials ETF	Financials	Europe	0.48%	4.38	6.21	53.80
5	FNCF	iShares Edge MSCI Multifactor Financials ETF	Financials	North America	0.35%	5.02	6.48	53.60
1	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.39	7.82	61.90
2	BBC	Virtus LifeSci Biotech Clinical Trials ETF	Health Care	North America	0.79%	7.41	8.05	60.90
3	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	5.50	7.38	60.50
4	JHMH	John Hancock Multifactor Healthcare ETF	Health Care	North America	0.50%	3.40	7.65	60.00
5	ORG	The Organics ETF	Health Care	Global	0.50%	5.74	7.89	59.20
1	FIDU	Fidelity MSCI Industrials Index ETF	Industrials	North America	0.08%	2.47	7.54	62.20
2	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	3.04	6.90	58.40
3	AIRR	First Trust RBA American Industrial Renaissance ETF	Industrials	North America	0.70%	4.77	6.56	57.90
4	INDF	iShares Edge MSCI Multifactor Industrials ETF	Industrials	North America	0.35%	5.46	6.63	57.90
5	DXJC	WisdomTree Japan Hedged Capital Goods Fund	Industrials	Asia-Pacific	0.48%	5.89	7.01	57.80

1	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	3.76	5.81	53.50
2	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.55	6.03	53.00
3	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.70%	4.83	6.20	52.90
4	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.45%	4.56	6.07	52.90
5	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.10	5.71	52.60
1	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	4.68	8.11	65.30
2	XTH	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.14	7.67	62.90
3	XT	iShares Exponential Technologies ETF	Technology	Global	0.47%	3.56	7.14	60.60
4	TCHF	iShares Edge MSCI Multifactor Technology ETF	Technology	North America	0.35%	5.43	7.45	59.90
5	EMQQ	Emerging Markets Internet & Ecommerce ETF	Technology	Emerging Markets	0.86%	6.14	8.02	59.50
1	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	3.92	7.70	61.70
2	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.34	6.14	53.90
3	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.86	5.90	53.30
4	VOX	Vanguard Telecommunication Services ETF	Telecommunications	North America	0.10%	5.21	5.80	53.10
5	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	5.58	5.42	51.30
1	UTLF	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	4.73	7.41	61.80
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	4.76	7.30	59.70
3	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.62	6.30	56.10
4	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.14%	3.27	4.73	50.50
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	4.57	4.95	49.90

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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 ISE Chindia Index Fund	Asia-Pacific	Broad Equity	0.60%	5.74	9.46	67.70
2	EWY	iShares MSCI South Korea Capped ETF	Asia-Pacific	Broad Equity	0.62%	4.19	8.17	66.40
3	AXJL	WisdomTree Asia-Pacific ex-Japan Fund	Asia-Pacific	Broad Equity	0.48%	4.88	8.57	65.60
4	JPN	Deutsche X-trackers Japan JPX-Nikkei 400 Equity ETF	Asia-Pacific	Large Cap	0.15%	3.71	7.92	62.80
5	EWH	iShares MSCI Hong Kong ETF	Asia-Pacific	Broad Equity	0.48%	3.03	7.71	62.30
1	JPEU	JPMorgan Diversified Return Europe Equity ETF	Europe	Broad Equity	0.43%	4.82	7.85	61.60
2	QDEU	SPDR MSCI Germany Quality Mix ETF	Europe	Broad Equity	0.30%	5.66	7.65	60.60
3	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.48%	3.07	7.21	60.40
4	HEWG	iShares Currency Hedged MSCI Germany ETF	Europe	Broad Equity	0.53%	3.87	7.03	59.80
5	DAX	Horizons DAX Germany ETF	Europe	Large Cap	0.20%	5.31	7.73	59.20
1	ROBO	Robo-Stox Global Robotics & Automation Index ETF	Global	Theme	0.95%	5.03	8.23	66.50
2	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Global	Theme	0.68%	3.23	8.09	66.20
3	WTRX	Summit Water Infrastructure Multifactor ETF	Global	Theme	0.80%	4.72	8.33	64.30
4	ARKQ	ARK Industrial Innovation ETF	Global	Theme	0.75%	5.57	8.41	63.30
5	LOWC	SPDR MSCI ACWI Low Carbon Target ETF	Global	Theme	0.20%	4.46	8.12	63.30
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	1.27%	7.21	10.00	71.90
2	ESGD	iShares MSCI EAFE ESG Select ETF	Global Ex-U.S.	Theme	0.20%	2.69	7.92	64.00
3	FNDC	Schwab Fundamental International Small Cap Company index	Global Ex-U.S.	Small Cap	0.46%	3.03	7.74	63.10
4	IQLT	iShares Edge MSCI Intl Quality Factor ETF	Global Ex-U.S.	Broad Equity	0.30%	3.18	7.73	61.80
5	FNDF	Schwab Fundamental International Large Company Index	Global Ex-U.S.	Large Cap	0.25%	2.77	7.46	61.20
1	EWW	iShares MSCI Mexico Capped ETF	Latin America	Broad Equity	0.48%	5.56	7.99	64.10
2	EPU	iShares MSCI All Peru Capped ETF	Latin America	Broad Equity	0.63%	5.75	7.69	61.30
3	EWZ	iShares MSCI Brazil Capped ETF	Latin America	Broad Equity	0.62%	6.61	6.50	56.00
4	ECH	iShares MSCI Chile Capped ETF	Latin America	Broad Equity	0.62%	6.32	5.93	54.40
5	ARGT	Global X MSCI Argentina ETF	Latin America	Broad Equity	0.59%	6.17	6.17	53.10
1	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	1.10%	6.32	7.28	56.40
2	ISRA	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.59%	5.19	6.88	54.30
3	ITEQ	BlueStar TA-BIGTECH Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.13	6.72	54.10
4	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.62%	6.91	6.00	51.50
5	EIS	iShares MSCI Israel Capped ETF	Middle East & Africa	Broad Equity	0.62%	5.35	5.64	50.10
1	CNTR	PowerShares Contrarian Opportunities Portfolio	North America	Broad Equity	0.35%	4.72	9.75	73.10
2	XRT	SPDR S&P Retail ETF	North America	Consumer Discretionary	0.35%	5.56	8.59	67.80
3	FVL	First Trust Value Line 100 Exchange-Traded Fund	North America	Alpha-Seeking	0.70%	3.97	8.22	65.50
4	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	North America	Consumer Staples	0.29%	4.38	8.03	65.40
5	PMR	PowerShares Dynamic Retail Portfolio	North America	Consumer Discretionary	0.63%	6.25	8.45	65.30

1	ESGE	iShares MSCI EM ESG Select ETF	Emerging Markets	Theme	0.25%	4.20	8.61	65.80
2	GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ETF	Emerging Markets	Broad Equity	0.45%	4.72	8.14	62.40
3	EMSD	WisdomTree Strong Dollar Emerging Markets Equity Fund	Emerging Markets	Broad Equity	0.32%	6.17	7.97	61.70
4	DEM	WisdomTree Emerging Markets Equity Income Fund	Emerging Markets	High Dividend Yield	0.63%	6.07	7.66	61.20
5	EDBI	Legg Mason Emerging Markets Diversified Core ETF	Emerging Markets	Broad Equity	0.50%	5.06	8.26	60.60
1	HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	Developed Markets	Large Cap	0.43%	4.57	8.03	62.60
2	GCOW	Pacer Global High Dividend ETF	Developed Markets	High Dividend Yield	0.60%	3.25	7.63	60.70
3	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	2.71	7.17	60.60
4	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.50%	4.80	7.80	60.00
5	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	4.16	7.76	59.90

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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%	3.97	8.22	65.50
2	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return In	Alpha-Seeking	North America	0.75%	6.93	8.69	64.00
3	VALX	Validea Market Legends ETF	Alpha-Seeking	Global	0.79%	5.84	7.21	57.20
4	TTFS	Wilshire Buyback ETF	Alpha-Seeking	North America	0.90%	4.93	6.82	56.70
5	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	4.29	6.51	55.40
1	CNTR	PowerShares Contrarian Opportunities Portfolio	Broad Equity	North America	0.35%	4.72	9.75	73.10
2	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	1.27%	7.21	10.00	71.90
3	FNI	First Trust ISE Chindia Index Fund	Broad Equity	Asia-Pacific	0.60%	5.74	9.46	67.70
4	EWY	iShares MSCI South Korea Capped ETF	Broad Equity	Asia-Pacific	0.62%	4.19	8.17	66.40
5	AXJL	WisdomTree Asia-Pacific ex-Japan Fund	Broad Equity	Asia-Pacific	0.48%	4.88	8.57	65.60
1	DEM	WisdomTree Emerging Markets Equity Income Fund	High Dividend Yield	Emerging Markets	0.63%	6.07	7.66	61.20
2	GCOW	Pacer Global High Dividend ETF	High Dividend Yield	Developed Markets	0.60%	3.25	7.63	60.70
3	LVHD	Legg Mason Low Volatility High Dividend ETF	High Dividend Yield	North America	0.30%	2.29	7.48	60.00
4	HDAW	Deutsche X-trackers MSCI All World ex US High Dividend Yield Hedged	High Dividend Yield	Global Ex-U.S.	0.45%	3.21	7.45	59.30
5	RDIV	Oppenheimer Ultra Dividend Revenue ETF	High Dividend Yield	North America	0.39%	2.98	6.82	57.70
1	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.41%	5.25	6.54	57.20
2	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	2.62	6.89	56.50
3	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.76%	1.99	5.99	51.80
4	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	6.53	6.06	49.50
5	ALFA	AlphaClone Alternative Alpha ETF	Long/Short	North America	0.95%	6.27	5.23	47.00
1	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.93	6.32	52.20
2	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.62	5.06	49.00
3	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.47%	3.04	4.75	45.80
4	VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	North America	0.50%	2.25	4.81	44.60
5	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	5.14	4.85	43.70
1	ROBO	Robo-Stox Global Robotics & Automation Index ETF	Theme	Global	0.95%	5.03	8.23	66.50
2	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Theme	Global	0.68%	3.23	8.09	66.20
3	ESGE	iShares MSCI EM ESG Select ETF	Theme	Emerging Markets	0.25%	4.20	8.61	65.80
4	KRMA	Global X Conscious Companies ETF	Theme	North America	0.43%	2.53	8.05	65.00
5	WTRX	Summit Water Infrastructure Multifactor ETF	Theme	Global	0.80%	4.72	8.33	64.30
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	3.99	7.98	63.80
2	FVAL	Fidelity Value Factor ETF	Large Cap	North America	0.29%	1.80	7.86	63.30
3	DWPP	First Trust Dorsey Wright Peoples Portfolio ETF	Large Cap	North America	0.60%	2.66	7.63	62.90
4	JPN	Deutsche X-trackers Japan JPX-Nikkei 400 Equity ETF	Large Cap	Asia-Pacific	0.15%	3.71	7.92	62.80
5	HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	Large Cap	Developed Markets	0.43%	4.57	8.03	62.60

1	PTMC	Pacer Trendpilot 450 ETF	Mid Cap	North America	0.60%	3.64	7.43	59.70
2	SPMD	SPDR Portfolio Mid Cap ETF	Mid Cap	North America	0.05%	2.51	6.96	58.90
3	JPME	JPMorgan Diversified Return U.S. Mid Cap Equity ETF	Mid Cap	North America	0.24%	3.00	6.98	58.10
4	DON	WisdomTree MidCap Dividend Fund	Mid Cap	North America	0.38%	6.85	6.42	56.20
5	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	4.41	6.22	55.80
1	FNDG	Schwab Fundamental International Small Cap Company index	Small Cap	Global Ex-U.S.	0.46%	3.03	7.74	63.10
2	JPSE	JPMorgan Diversified Return U.S. Small Cap Equity ETF	Small Cap	North America	0.29%	2.99	7.88	62.50
3	RZV	Guggenheim S&P Smallcap 600 Pure Value ETF	Small Cap	North America	0.36%	5.14	7.56	61.40
4	SCAP	Cornerstone Small Cap ETF	Small Cap	North America	0.90%	5.84	7.75	60.70
5	EWSC	Guggenheim S&P SmallCap 600 Equal Weight ETF	Small Cap	North America	0.41%	4.86	7.12	59.90
1	PZI	Powershares Zacks Micro Cap Portfolio	Micro Cap	North America	0.81%	5.21	7.04	57.30
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.49	5.79	51.10
3	WMCR	Wilshire Micro-Cap ETF	Micro Cap	North America	0.59%	5.53	5.63	48.80
4	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.31	4.55	45.10

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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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