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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	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	4.59	6.69	55.30
2	SGDJ	Sprott Junior Gold Miners ETF	Basic Materials	Global	0.57%	6.32	6.36	52.90
3	GDX	VanEck Vectors Gold Miners ETF	Basic Materials	Global	0.51%	4.02	5.66	52.30
4	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	5.20	5.43	52.00
5	GOEX	Global X Gold Explorers ETF	Basic Materials	Global	0.66%	6.58	6.17	51.70
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.37	8.65	67.50
2	PMR	PowerShares Dynamic Retail Portfolio	Consumer Discretionary	North America	0.63%	6.01	7.29	59.00
3	PEJ	Powershares Dynamic Leisure & Entertainment Portfolio	Consumer Discretionary	North America	0.61%	5.06	7.05	56.90
4	FDIS	Fidelity MSCI Consumer Discretionary Index ETF	Consumer Discretionary	North America	0.08%	3.01	7.04	55.30
5	XHB	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	4.01	6.06	54.40
1	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	Consumer Staples	North America	0.29%	3.56	7.77	63.80
2	PBJ	Powershares Dynamic Food & Beverage Portfolio	Consumer Staples	North America	0.58%	4.22	7.01	59.60
3	XLP	Consumer Staples Select Sector SPDR Fund	Consumer Staples	North America	0.14%	2.74	6.54	59.00
4	WSKY	Spirited Funds/ETFMG Whiskey & Spirits ETF	Consumer Staples	Global	0.60%	4.66	7.34	56.30
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	4.66	6.27	55.10
1	JHME	John Hancock Multifactor Energy ETF	Energy	North America	0.50%	5.16	7.86	63.80
2	PXI	PowerShares DWA Energy Momentum Portfolio	Energy	North America	0.60%	6.88	7.42	60.50
3	EMLP	First Trust North American Energy Infrastructure Fund	Energy	North America	0.95%	5.28	7.44	60.50
4	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	5.72	6.89	59.70
5	FTXN	First Trust Nasdaq Oil & Gas ETF	Energy	North America	0.60%	5.66	6.91	58.80
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.36	7.88	62.70
2	KBWD	PowerShares KBW High Dividend Yield Financial Portfolio	Financials	North America	2.40%	4.78	7.66	60.30
3	JHMF	John Hancock Multifactor Financials ETF	Financials	North America	0.50%	5.05	7.51	58.40
4	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	4.93	6.96	57.30
5	DFNL	Davis Select Financial ETF	Financials	Global	0.65%	6.08	7.68	57.10
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.31	10.00	72.10
2	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	5.99	8.42	64.40
3	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	6.35	7.86	62.00
4	GNRX	VanEck Vectors Generic Drugs ETF	Health Care	Global	0.55%	5.09	7.92	59.80
5	IHE	iShares US Pharmaceuticals ETF	Health Care	North America	0.44%	6.29	7.39	58.90
1	FTXR	First Trust Nasdaq Transportation ETF	Industrials	North America	0.60%	5.30	8.48	65.20
2	JETS	U.S. Global Jets ETF	Industrials	Global	0.60%	5.88	7.65	59.70
3	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	4.52	7.19	59.30
4	IYT	iShares Transportation Average ETF	Industrials	North America	0.44%	5.57	6.19	58.40
5	AIRR	First Trust RBA American Industrial Renaissance ETF	Industrials	North America	0.70%	4.59	6.45	56.80

1	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	4.10	7.76	62.10
2	TBLU	Tortoise Water Fund	Natural Resources	North America	0.40%	5.55	7.09	57.10
3	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	3.57	6.29	54.90
4	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.72%	4.78	6.47	53.10
5	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.68	5.80	52.30
1	XWEB	SPDR S&P Internet ETF	Technology	North America	0.35%	6.90	8.51	63.70
2	XNTK	SPDR NYSE Technology ETF	Technology	North America	0.35%	6.61	7.14	59.50
3	CIBR	First Trust Nasdaq Cybersecurity ETF	Technology	Global	0.60%	4.24	7.10	59.30
4	FINX	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.22	7.61	59.00
5	XT	iShares Exponential Technologies ETF	Technology	Global	0.47%	3.84	6.71	58.60
1	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.63	6.28	54.50
2	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.44%	4.70	5.78	52.20
3	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.48%	5.54	5.86	51.40
4	VOX	Vanguard Telecommunication Services ETF	Telecommunications	North America	0.10%	4.94	5.68	51.30
5	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	3.78	5.54	49.50
1	UTLF	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	4.08	7.00	59.00
2	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.14%	2.47	5.74	55.00
3	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	3.87	6.33	54.60
4	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.09	5.79	52.50
5	RYU	Guggenheim S&P 500 Equal Weight Utilities ETF	Utilities	North America	0.40%	4.57	5.12	50.70

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Equity ETF Select List - Geography

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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	EWH	iShares MSCI Hong Kong ETF	Asia-Pacific	Broad Equity	0.48%	2.52	8.59	66.10
2	EWS	iShares MSCI Singapore Capped ETF	Asia-Pacific	Broad Equity	0.48%	3.69	8.11	64.80
3	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74%	5.55	8.28	63.90
4	QJPN	SPDR MSCI Japan Quality Mix ETF	Asia-Pacific	Broad Equity	0.30%	4.46	8.23	63.90
5	EWY	iShares MSCI South Korea Capped ETF	Asia-Pacific	Broad Equity	0.62%	4.14	7.71	63.50
1	EWS	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.48%	2.85	7.16	59.70
2	EURZ	Deutsche Xtrackers Eurozone Equity ETF	Europe	Broad Equity	0.09%	4.54	7.46	58.70
3	EWP	iShares MSCI Spain Capped ETF	Europe	Broad Equity	0.48%	5.40	6.70	55.50
4	EWO	iShares MSCI Austria Capped ETF	Europe	Broad Equity	0.48%	3.38	6.59	55.40
5	SCID	Global X Scientific Beta Europe ETF	Europe	Broad Equity	0.38%	4.61	6.79	55.20
1	PPH	VanEck Vectors Pharmaceutical ETF	Global	Health Care	0.35%	5.99	8.42	64.40
2	HECO	EcoLogical Strategy ETF	Global	Theme	0.95%	8.74	9.07	64.10
3	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	6.35	7.86	62.00
4	WEAR	The WEAR ETF	Global	Theme	0.85%	6.01	8.11	61.00
5	ACWF	iShares Edge MSCI Multifactor Global ETF	Global	Broad Equity	0.35%	4.89	7.66	60.80
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.99%	7.08	9.10	66.60
2	SPDW	SPDR Portfolio World ex-US ETF	Global Ex-U.S.	Broad Equity	0.04%	2.52	7.46	59.40
3	MOTI	VanEck Vectors Morningstar International Moat ETF	Global Ex-U.S.	Broad Equity	0.56%	5.36	7.15	58.90
4	ESGD	iShares MSCI EAFE ESG Select ETF	Global Ex-U.S.	Theme	0.20%	2.82	6.82	58.10
5	IVLU	iShares Edge MSCI Intl Value Factor ETF	Global Ex-U.S.	Large Cap	0.30%	4.17	6.74	56.60
1	EWW	iShares MSCI Mexico Capped ETF	Latin America	Broad Equity	0.48%	5.37	8.19	64.30
2	EPU	iShares MSCI All Peru Capped ETF	Latin America	Broad Equity	0.63%	4.99	7.38	58.30
3	ECH	iShares MSCI Chile Capped ETF	Latin America	Broad Equity	0.62%	4.87	5.68	52.50
4	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.49%	5.33	5.84	52.10
5	GXG	Global X MSCI Colombia ETF	Latin America	Broad Equity	0.61%	5.26	6.27	51.70
1	KSA	iShares MSCI Saudi Arabia Capped ETF	Middle East & Africa	Broad Equity	0.74%	4.78	7.96	56.30
2	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.88%	5.84	6.96	54.20
3	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.14	7.28	54.10
4	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.62%	6.82	5.32	47.60
5	ISRA	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.60%	5.22	5.39	45.90
1	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.31	10.00	72.10
2	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	5.00	9.53	71.00
3	XRT	SPDR S&P Retail ETF	North America	Consumer Discretionary	0.35%	5.37	8.65	67.50
4	FTXR	First Trust Nasdaq Transportation ETF	North America	Industrials	0.60%	5.30	8.48	65.20
5	FVL	First Trust Value Line 100 Exchange-Traded Fund	North America	Alpha-Seeking	0.70%	4.78	8.35	65.10

1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	6.62	7.60	60.50
2	ESGE	iShares MSCI EM ESG Select ETF	Emerging Markets	Theme	0.25%	4.35	7.50	59.70
3	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.69%	5.15	7.03	58.10
4	FLQE	Franklin LibertyQ Emerging Markets ETF	Emerging Markets	Broad Equity	0.55%	4.37	7.34	57.30
5	SPEM	SPDR Portfolio Emerging Markets ETF	Emerging Markets	Broad Equity	0.11%	4.23	7.45	57.00
1	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	2.80	7.68	62.00
2	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	4.52	8.03	60.10
3	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.50%	3.61	7.78	59.20
4	HEDJ	WisdomTree Europe Hedged Equity Fund	Developed Markets	Broad Equity	0.58%	4.70	6.52	55.80
5	GCOW	Pacer Global High Dividend ETF	Developed Markets	High Dividend Yield	0.60%	3.68	6.51	55.10

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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%	4.78	8.35	65.10
2	DWAQ	PowerShares DWA NASDAQ Momentum Portfolio	Alpha-Seeking	North America	0.60%	6.36	7.69	61.70
3	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	5.06	7.40	58.80
4	VALX	Validea Market Legends ETF	Alpha-Seeking	Global	0.79%	5.96	7.58	57.70
5	IBLN	Direxion iBillionaire Index ETF	Alpha-Seeking	North America	0.59%	5.20	6.73	56.30
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.99%	7.08	9.10	66.60
2	EWH	iShares MSCI Hong Kong ETF	Broad Equity	Asia-Pacific	0.48%	2.52	8.59	66.10
3	EWS	iShares MSCI Singapore Capped ETF	Broad Equity	Asia-Pacific	0.48%	3.69	8.11	64.80
4	EWW	iShares MSCI Mexico Capped ETF	Broad Equity	Latin America	0.48%	5.37	8.19	64.30
5	QJPN	SPDR MSCI Japan Quality Mix ETF	Broad Equity	Asia-Pacific	0.30%	4.46	8.23	63.90
1	DGRW	WisdomTree US Dividend Growth Fund	High Dividend Yield	North America	0.28%	2.61	7.60	61.70
2	DGRS	WisdomTree U.S. SmallCap Dividend Growth Fund	High Dividend Yield	North America	0.38%	3.88	7.86	61.70
3	SPYD	SPDR Portfolio S&P 500 High Dividend ETF	High Dividend Yield	North America	0.07%	2.79	7.05	60.00
4	RDVY	First Trust NASDAQ Rising Dividend Achievers	High Dividend Yield	North America	0.50%	4.14	6.90	59.20
5	DIVO	Amplify YieldShares CWP Dividend & Option Income ETF	High Dividend Yield	North America	0.96%	5.82	7.16	57.30
1	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	5.08	5.92	53.40
2	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	4.93	6.47	52.10
3	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	6.94	7.13	48.80
4	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.77%	2.43	5.33	46.80
5	ALFA	AlphaClone Alternative Alpha ETF	Long/Short	North America	0.65%	7.63	4.90	44.30
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	3.14	4.71	45.30
2	VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	North America	0.50%	2.63	5.00	44.50
3	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	4.50	4.73	43.00
4	PGF	PowerShares Financial Preferred Portfolio	Preferred Stock	North America	0.63%	2.94	4.23	41.90
5	SPFF	Global X SuperIncome Preferred ETF	Preferred Stock	North America	0.58%	4.08	4.79	41.60
1	HECO	EcoLogical Strategy ETF	Theme	Global	0.95%	8.74	9.07	64.10
2	KRMA	Global X Conscious Companies ETF	Theme	North America	0.43%	3.90	7.70	61.80
3	WEAR	The WEAR ETF	Theme	Global	0.85%	6.01	8.11	61.00
4	ARKW	ARK Web x.0 ETF	Theme	Global	0.75%	6.49	8.13	60.70
5	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	6.62	7.60	60.50
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	5.00	9.53	71.00
2	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.74%	5.55	8.28	63.90
3	EEH	ELEMENTS SPECTRUM ETN	Large Cap	North America	0.75%	6.26	8.83	63.90
4	SPYV	SPDR Portfolio S&P 500 Value ETF	Large Cap	North America	0.04%	5.01	7.83	63.20
5	NULG	NuShares ESG Large-Cap Growth ETF	Large Cap	North America	0.35%	4.15	7.96	60.50

1	DON	WisdomTree MidCap Dividend Fund	Mid Cap	North America	0.38%	5.65	8.23	64.70
2	PTMC	Pacer Trendpilot 450 ETF	Mid Cap	North America	0.60%	3.87	7.55	60.80
3	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.78	7.73	60.60
4	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	4.77	7.14	60.20
5	NUMV	NuShares ESG Mid-Cap Value ETF	Mid Cap	North America	0.40%	4.21	7.61	58.50
1	DES	WisdomTree SmallCap Dividend Fund	Small Cap	North America	0.38%	5.77	8.41	64.10
2	SCAP	Cornerstone Small Cap ETF	Small Cap	North America	0.90%	6.19	8.20	61.70
3	RZV	Guggenheim S&P Smallcap 600 Pure Value ETF	Small Cap	North America	0.35%	5.09	7.65	61.00
4	HAO	Guggenheim China Small Cap ETF	Small Cap	Asia-Pacific	0.75%	6.59	8.13	60.10
5	EWSC	Guggenheim S&P SmallCap 600 Equal Weight ETF	Small Cap	North America	0.41%	5.00	7.12	58.70
1	PZI	Powershares Zacks Micro Cap Portfolio	Micro Cap	North America	0.81%	4.89	7.19	57.00
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.08	5.32	47.50
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.34	4.30	42.80
4	WMCR	Wilshire Micro-Cap ETF	Micro Cap	North America	0.59%	5.32	4.29	41.20

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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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