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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	SGDJ	Sprott Junior Gold Miners ETF	Basic Materials	Global	0.57%	6.89	7.97	63.20
2	MATF	iShares Edge MSCI Multifactor Materials ETF	Basic Materials	North America	0.35%	5.10	6.94	58.90
3	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	4.92	6.82	58.00
4	GOEX	Global X Gold Explorers ETF	Basic Materials	Global	0.65%	7.50	6.83	57.30
5	SLX	VanEck Vectors Steel Index Fund	Basic Materials	Global	0.55%	6.60	6.14	57.00
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.51	7.73	64.90
2	PMR	PowerShares Dynamic Retail Portfolio	Consumer Discretionary	North America	0.63%	6.42	7.69	63.10
3	FXD	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.61%	4.11	6.72	58.40
4	CNDX	iShares Edge MSCI Multifactor Consumer Discretionary ETF	Consumer Discretionary	North America	0.35%	4.72	6.72	57.00
5	PEJ	Powershares Dynamic Leisure & Entertainment Portfolio	Consumer Discretionary	North America	0.61%	4.85	6.28	55.30
1	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	4.32	7.47	63.00
2	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	Consumer Staples	North America	0.29%	4.34	7.18	62.90
3	CNSF	iShares Edge MSCI Multifactor Consumer Staples ETF	Consumer Staples	North America	0.35%	4.12	6.62	60.20
4	PBJ	Powershares Dynamic Food & Beverage Portfolio	Consumer Staples	North America	0.58%	3.66	6.32	58.60
5	WSKY	Spirited Funds/ETFMG Whiskey & Spirits ETF	Consumer Staples	Global	0.60%	4.86	7.22	57.40
1	FTXN	First Trust Nasdaq Oil & Gas ETF	Energy	North America	0.60%	5.89	8.71	69.60
2	JHME	John Hancock Multifactor Energy ETF	Energy	North America	0.50%	5.50	8.58	69.00
3	ERGF	iShares Edge MSCI Multifactor Energy ETF	Energy	North America	0.35%	5.13	8.20	67.20
4	AMLPL	Alerian MLP ETF	Energy	North America	0.85%	6.40	8.34	62.70
5	PXI	PowerShares DWA Energy Momentum Portfolio	Energy	North America	0.60%	7.07	7.07	62.30
1	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	4.60	8.09	65.00
2	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.78	6.79	59.60
3	FNCF	iShares Edge MSCI Multifactor Financials ETF	Financials	North America	0.35%	5.46	6.84	58.20
4	FNCL	Fidelity MSCI Financials Index ETF	Financials	North America	0.08%	2.85	6.84	57.70
5	IYG	iShares U.S. Financial Services ETF	Financials	North America	0.43%	4.77	6.02	55.10
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	4.82	9.25	69.80
2	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	5.38	7.98	64.40
3	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.36	7.95	63.80
4	BBC	Virtus LifeSci Biotech Clinical Trials ETF	Health Care	North America	0.79%	8.38	8.18	60.70
5	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	5.78	6.94	59.90
1	AIRR	First Trust RBA American Industrial Renaissance ETF	Industrials	North America	0.70%	4.55	6.96	61.60
2	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	3.50	6.87	60.20
3	INDF	iShares Edge MSCI Multifactor Industrials ETF	Industrials	North America	0.35%	6.07	6.49	59.80
4	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.48	5.70	58.40
5	FTXR	First Trust Nasdaq Transportation ETF	Industrials	North America	0.60%	5.14	6.62	58.20

1	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	4.39	6.62	58.00
2	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.70%	4.18	5.82	52.90
3	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.50	5.56	52.50
4	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.45%	4.28	5.61	52.50
5	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.46	5.18	51.90
1	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.20	8.13	66.30
2	TCHF	iShares Edge MSCI Multifactor Technology ETF	Technology	North America	0.35%	5.58	6.94	60.30
3	XT	iShares Exponential Technologies ETF	Technology	Global	0.47%	3.37	6.37	59.00
4	EMQQ	Emerging Markets Internet & Ecommerce ETF	Technology	Emerging Markets	0.86%	6.10	7.50	58.20
5	XNTK	SPDR NYSE Technology ETF	Technology	North America	0.35%	5.62	6.32	57.80
1	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	4.13	6.45	56.60
2	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.80	6.15	56.10
3	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.83	5.90	54.00
4	VOX	Vanguard Telecommunication Services ETF	Telecommunications	North America	0.10%	5.13	5.41	53.20
5	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	5.15	4.13	47.00
1	UTLF	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	5.50	7.06	61.50
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	4.95	6.57	58.60
3	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	3.59	5.72	55.00
4	UTES	Reaves Utilities ETF	Utilities	North America	0.95%	6.88	6.18	52.80
5	VPU	Vanguard Utilities ETF	Utilities	North America	0.10%	4.70	3.93	47.60

continued on next page

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%	5.47	9.68	69.70
2	EWY	iShares MSCI South Korea Capped ETF	Asia-Pacific	Broad Equity	0.62%	4.49	7.92	66.40
3	AXJL	WisdomTree Asia-Pacific ex-Japan Fund	Asia-Pacific	Broad Equity	0.48%	4.91	8.03	63.90
4	DDJP	WisdomTree Dynamic Currency Hedged Japan Equity Fund	Asia-Pacific	Broad Equity	0.43%	4.58	7.92	63.30
5	EWH	iShares MSCI Hong Kong ETF	Asia-Pacific	Broad Equity	0.48%	2.95	7.53	62.70
1	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.48%	3.46	7.42	62.90
2	SCID	Global X Scientific Beta Europe ETF	Europe	Broad Equity	0.38%	4.85	7.20	59.40
3	JPEU	JPMorgan Diversified Return Europe Equity ETF	Europe	Broad Equity	0.43%	4.47	7.25	59.30
4	HEWL	iShares Currency Hedged MSCI Switzerland ETF	Europe	Large Cap	0.51%	4.31	6.88	58.70
5	GRMY	Deutsche Xtrackers Germany Equity ETF	Europe	Broad Equity	0.15%	3.98	6.86	58.50
1	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Global	Theme	0.68%	3.13	8.27	68.30
2	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	5.38	7.98	64.40
3	SGDJ	Sprott Junior Gold Miners ETF	Global	Basic Materials	0.57%	6.89	7.97	63.20
4	FDRR	Fidelity Dividend ETF for Rising Rates	Global	High Dividend Yield	0.29%	2.04	7.32	62.20
5	LOWC	SPDR MSCI ACWI Low Carbon Target ETF	Global	Theme	0.20%	4.26	7.55	61.50
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.98%	7.07	10.00	72.30
2	ESGD	iShares MSCI EAFE ESG Select ETF	Global Ex-U.S.	Theme	0.20%	2.78	7.68	64.30
3	EEMX	SPDR MSCI Emerging Markets Fossil Fuel Reserves Free ETF	Global Ex-U.S.	Theme	0.30%	5.50	8.02	61.60
4	IVLU	iShares Edge MSCI Intl Value Factor ETF	Global Ex-U.S.	Large Cap	0.30%	4.54	7.05	60.10
5	IMOM	MomentumShares International Quantitative Momentum ETF	Global Ex-U.S.	Broad Equity	0.79%	6.19	7.23	60.10
1	ECH	iShares MSCI Chile Capped ETF	Latin America	Broad Equity	0.62%	6.03	7.26	62.90
2	EWW	iShares MSCI Mexico Capped ETF	Latin America	Broad Equity	0.48%	5.52	7.39	62.40
3	EWZ	iShares MSCI Brazil Capped ETF	Latin America	Broad Equity	0.62%	6.32	7.27	61.30
4	EPU	iShares MSCI All Peru Capped ETF	Latin America	Broad Equity	0.63%	6.25	7.08	59.10
5	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.49%	6.03	6.03	55.90
1	EIS	iShares MSCI Israel Capped ETF	Middle East & Africa	Broad Equity	0.62%	5.61	6.90	57.40
2	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	1.10%	6.51	6.96	55.90
3	QAT	iShares MSCI Qatar Capped ETF	Middle East & Africa	Broad Equity	0.64%	6.61	6.35	54.60
4	KSA	iShares MSCI Saudi Arabia Capped ETF	Middle East & Africa	Broad Equity	0.74%	5.74	6.48	50.70
5	ITEQ	BlueStar TA-BIGTECH Israel Technology ETF	Middle East & Africa	Technology	0.75%	4.48	5.54	50.10
1	CNTR	PowerShares Contrarian Opportunities Portfolio	North America	Broad Equity	0.35%	4.36	9.16	70.80
2	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	4.82	9.25	69.80
3	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	3.84	8.94	69.80
4	FTXN	First Trust Nasdaq Oil & Gas ETF	North America	Energy	0.60%	5.89	8.71	69.60
5	JHME	John Hancock Multifactor Energy ETF	North America	Energy	0.50%	5.50	8.58	69.00

1	GEM	Goldman Sachs ActiveBeta Emerging Markets Equity ETF	Emerging Markets	Broad Equity	0.45%	4.42	7.74	61.80
2	ESGE	iShares MSCI EM ESG Select ETF	Emerging Markets	Theme	0.25%	3.90	7.36	61.10
3	EDBI	Legg Mason Emerging Markets Diversified Core ETF	Emerging Markets	Broad Equity	0.50%	5.62	8.07	60.70
4	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	6.44	7.13	60.50
5	EMSD	WisdomTree Strong Dollar Emerging Markets Equity Fund	Emerging Markets	Broad Equity	0.32%	6.58	7.18	59.40
1	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	3.15	7.57	63.50
2	HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	Developed Markets	Large Cap	0.43%	4.20	7.71	62.10
3	GCOW	Pacer Global High Dividend ETF	Developed Markets	High Dividend Yield	0.60%	2.91	7.22	60.60
4	ISCF	iShares Edge MSCI Multifactor Intl Small-Cap ETF	Developed Markets	Small Cap	0.40%	3.88	6.87	58.60
5	EFA	iShares MSCI EAFE ETF	Developed Markets	Broad Equity	0.33%	4.10	6.16	57.50

continued on next page

Equity ETF Select List - Strategies

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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	5.54	8.64	66.70
2	FVL	First Trust Value Line 100 Exchange-Traded Fund	Alpha-Seeking	North America	0.70%	3.44	8.01	66.10
3	VALX	Validea Market Legends ETF	Alpha-Seeking	Global	0.79%	5.65	7.32	59.00
4	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return In	Alpha-Seeking	North America	0.75%	7.49	7.31	58.20
5	TTFS	Wilshire Buyback ETF	Alpha-Seeking	North America	0.90%	5.70	6.84	57.90
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.98%	7.07	10.00	72.30
2	CNTR	PowerShares Contrarian Opportunities Portfolio	Broad Equity	North America	0.35%	4.36	9.16	70.80
3	FNI	First Trust ISE Chindia Index Fund	Broad Equity	Asia-Pacific	0.60%	5.47	9.68	69.70
4	EWY	iShares MSCI South Korea Capped ETF	Broad Equity	Asia-Pacific	0.62%	4.49	7.92	66.40
5	AXJL	WisdomTree Asia-Pacific ex-Japan Fund	Broad Equity	Asia-Pacific	0.48%	4.91	8.03	63.90
1	FDRR	Fidelity Dividend ETF for Rising Rates	High Dividend Yield	Global	0.29%	2.04	7.32	62.20
2	RDIV	Oppenheimer Ultra Dividend Revenue ETF	High Dividend Yield	North America	0.39%	3.84	7.45	61.20
3	GCOW	Pacer Global High Dividend ETF	High Dividend Yield	Developed Markets	0.60%	2.91	7.22	60.60
4	LVHD	Legg Mason Low Volatility High Dividend ETF	High Dividend Yield	North America	0.30%	2.42	7.16	60.20
5	EFAS	Global X MSCI SuperDividend EAFE ETF	High Dividend Yield	Global Ex-U.S.	0.55%	4.49	7.30	60.10
1	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.41%	5.79	6.43	58.30
2	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	3.63	6.98	57.10
3	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.76%	1.95	6.16	55.00
4	DIVA	AGFiQ Hedged Dividend Income Fund	Long/Short	North America	0.75%	8.16	5.98	48.70
5	ALFA	AlphaClone Alternative Alpha ETF	Long/Short	North America	0.95%	6.20	4.77	47.60
1	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	4.42	4.98	47.50
2	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.56	4.16	46.80
3	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.47%	3.00	4.36	46.20
4	VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	North America	0.50%	2.41	4.62	45.20
5	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	5.55	4.44	44.50
1	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Theme	Global	0.68%	3.13	8.27	68.30
2	ESGD	iShares MSCI EAFE ESG Select ETF	Theme	Global Ex-U.S.	0.20%	2.78	7.68	64.30
3	GVIP	Goldman Sachs Hedge Industry VIP ETF	Theme	North America	0.45%	3.80	7.76	63.40
4	SUSA	iShares MSCI USA ESG Select ETF	Theme	North America	0.50%	3.54	7.11	61.70
5	ESGL	Oppenheimer ESG Revenue ETF	Theme	North America	0.40%	3.33	7.78	61.70
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	3.84	8.94	69.80
2	OVLC	Guggenheim U.S. Large Cap Optimized Volatility ETF	Large Cap	North America	0.30%	4.60	8.15	65.00
3	DWPP	First Trust Dorsey Wright Peoples Portfolio ETF	Large Cap	North America	0.60%	3.11	7.18	62.20
4	HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	Large Cap	Developed Markets	0.43%	4.20	7.71	62.10
5	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.73%	5.19	7.49	61.90

1	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	4.20	6.78	60.70
2	PTMC	Pacer Trendpilot 450 ETF	Mid Cap	North America	0.60%	3.50	7.25	60.60
3	JPME	JPMorgan Diversified Return U.S. Mid Cap Equity ETF	Mid Cap	North America	0.24%	3.32	6.82	58.20
4	SPMD	SPDR Portfolio Mid Cap ETF	Mid Cap	North America	0.05%	2.36	6.40	57.30
5	EWMC	Guggenheim S&P MidCap 400 Equal Weight ETF	Mid Cap	North America	0.42%	4.64	6.10	57.00
1	SCAP	Cornerstone Small Cap ETF	Small Cap	North America	0.90%	5.94	7.93	62.90
2	JPSE	JPMorgan Diversified Return U.S. Small Cap Equity ETF	Small Cap	North America	0.29%	2.82	7.64	62.70
3	FNDA	Schwab Fundamental U.S. Small Company Index	Small Cap	North America	0.25%	3.00	7.19	61.90
4	HAO	Guggenheim China Small Cap ETF	Small Cap	Asia-Pacific	0.75%	6.29	7.86	61.00
5	EWSC	Guggenheim S&P SmallCap 600 Equal Weight ETF	Small Cap	North America	0.41%	5.03	7.10	60.90
1	PZI	Powershares Zacks Micro Cap Portfolio	Micro Cap	North America	0.81%	4.87	6.25	55.30
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.35	4.85	48.20
3	WMCR	Wilshire Micro-Cap ETF	Micro Cap	North America	0.59%	5.75	5.05	47.80
4	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.24	3.82	43.60

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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. ♦♦♦♦♦♦♦♦

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***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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