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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	MATE	iShares Edge MSCI Multifactor Materials ETF	Basic Materials	North America	0.35%	5.22	7.08	59.30
2	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	4.51	6.64	57.20
3	GOAU	U.S. Global GO GOLD and Precious Metal Miners ETF	Basic Materials	Global	0.60%	5.63	6.84	54.70
4	FMAT	Fidelity MSCI Materials Index ETF	Basic Materials	North America	0.08%	2.68	6.05	54.00
5	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	4.52	5.26	53.00
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.08	6.65	59.60
2	PMR	Invesco Dynamic Retail ETF	Consumer Discretionary	North America	0.63%	5.01	6.39	56.20
3	PEJ	Invesco Dynamic Leisure and Entertainment ETF	Consumer Discretionary	North America	0.61%	4.64	6.31	55.70
4	IBUY	Amplify Online Retail ETF	Consumer Discretionary	Global	0.65%	6.16	6.67	54.80
5	CNDF	iShares Edge MSCI Multifactor Consumer Discretionary ETF	Consumer Discretionary	North America	0.35%	3.92	6.25	54.50
1	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.48%	5.77	7.51	64.70
2	PSCC	Invesco S&P SmallCap Consumer Staples ETF	Consumer Staples	North America	0.29%	4.36	7.02	62.00
3	CNSF	iShares Edge MSCI Multifactor Consumer Staples ETF	Consumer Staples	North America	0.35%	2.90	7.00	62.00
4	XLP	Consumer Staples Select Sector SPDR Fund	Consumer Staples	North America	0.14%	2.50	6.61	61.60
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	4.03	6.28	56.80
1	AMLP	Alerian MLP ETF	Energy	North America	0.85%	6.16	8.60	65.30
2	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.65	7.06	62.90
3	EMLP	First Trust North American Energy Infrastructure Fund	Energy	North America	0.95%	4.76	7.25	62.70
4	JHME	John Hancock Multifactor Energy ETF	Energy	North America	0.50%	4.97	7.09	62.20
5	AMJ	JPMorgan Alerian MLP Index ETN	Energy	North America	0.85%	6.98	7.16	61.30
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.33	8.42	68.60
2	FNCF	iShares Edge MSCI Multifactor Financials ETF	Financials	North America	0.35%	4.86	6.81	57.70
3	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	3.97	6.44	57.30
4	DFNL	Davis Select Financial ETF	Financials	Global	0.65%	5.31	7.15	56.70
5	DXJF	WisdomTree Japan Hedged Financials Fund	Financials	Asia-Pacific	0.48%	5.43	6.40	56.00
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.20	10.00	75.70
2	IXJ	iShares Global Healthcare ETF	Health Care	Global	0.48%	5.15	8.93	71.10
3	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.58	8.06	65.10
4	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	6.38	7.84	64.50
5	IHE	iShares US Pharmaceuticals ETF	Health Care	North America	0.44%	5.95	7.27	60.90
1	INDF	iShares Edge MSCI Multifactor Industrials ETF	Industrials	North America	0.35%	5.17	7.12	63.10
2	IYT	iShares Transportation Average ETF	Industrials	North America	0.44%	5.50	6.63	62.90
3	FIDU	Fidelity MSCI Industrials Index ETF	Industrials	North America	0.08%	2.38	6.75	60.70

4	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	4.13	6.69	59.10
5	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70%	7.14	6.29	58.50
1	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	3.24	7.30	62.10
2	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.04	6.60	58.80
3	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.47	6.60	57.50
4	TBLU	Tortoise Water Fund	Natural Resources	North America	0.40%	6.36	7.04	57.30
5	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.46%	4.26	6.71	57.10
1	FINX	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.53	7.70	62.20
2	ITEQ	BlueStar Israel Technology ETF	Technology	Middle East & Africa	0.75%	5.43	7.88	60.30
3	TCHF	iShares Edge MSCI Multifactor Technology ETF	Technology	North America	0.35%	5.58	6.86	59.20
4	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.14	6.53	58.50
5	CIBR	First Trust Nasdaq Cybersecurity ETF	Technology	Global	0.60%	4.44	6.35	58.20
1	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.48%	5.73	6.51	57.30
2	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.44%	3.82	6.12	56.40
3	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	4.25	6.01	53.70
4	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.64	4.72	48.70
5	VOX	Vanguard Communication Services ETF	Telecommunications	North America	0.10%	4.97	4.96	46.70
1	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.13	6.11	57.00
2	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.14%	2.97	5.73	56.90
3	JHML	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	4.10	6.16	55.70
4	UTLF	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	4.28	5.94	55.20
5	VPU	Vanguard Utilities ETF	Utilities	North America	0.10%	3.94	5.11	52.30

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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 Chindia ETF	Asia-Pacific	Broad Equity	0.60%	5.21	8.63	65.90
2	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.62%	3.97	7.47	65.10
3	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74%	5.42	7.95	65.10
4	EIDO	iShares MSCI Indonesia ETF	Asia-Pacific	Broad Equity	0.63%	4.43	7.96	64.70
5	EPHE	iShares MSCI Philippines ETF	Asia-Pacific	Broad Equity	0.58%	5.03	7.63	62.80
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.62%	7.31	9.23	72.20
2	EWD	iShares MSCI Sweden ETF	Europe	Broad Equity	0.49%	5.19	7.41	62.90
3	EWP	iShares MSCI Spain ETF	Europe	Broad Equity	0.49%	5.55	7.43	62.90
4	EWI	iShares MSCI Italy ETF	Europe	Broad Equity	0.49%	5.41	7.42	62.50
5	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.49%	3.06	7.06	61.80
1	IXJ	iShares Global Healthcare ETF	Global	Health Care	0.48%	5.15	8.93	71.10
2	IOO	iShares Global 100 ETF	Global	Large Cap	0.40%	5.67	8.17	67.50
3	KXI	iShares Global Consumer Staples ETF	Global	Consumer Staples	0.48%	5.77	7.51	64.70
4	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	6.38	7.84	64.50
5	CRAK	VanEck Vectors Oil Refiners ETF	Global	Energy	0.59%	4.65	7.06	62.90
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.89%	7.51	8.67	65.80
2	IDEV	iShares Core MSCI International Developed Markets ETF	Global Ex-U.S.	Broad Equity	0.05%	3.02	7.40	63.30
3	ICOW	Pacer Developed Markets International Cash Cows 100 ETF	Global Ex-U.S.	Broad Equity	0.65%	4.61	7.36	60.20
4	HDMV	First Trust Horizon Managed Volatility Developed International ETF	Global Ex-U.S.	Broad Equity	0.80%	3.96	6.94	59.70
5	REFA	Oppenheimer International Revenue ETF	Global Ex-U.S.	Broad Equity	0.42%	3.82	7.30	59.70
1	EWZ	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.63%	6.38	7.95	65.70
2	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.49%	5.57	7.82	65.10
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.49%	6.06	7.15	61.60
4	AGT	iShares MSCI Argentina and Global Exposure ETF	Latin America	Broad Equity	0.59%	5.81	7.26	61.10
5	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.63%	5.51	7.08	59.90
1	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.43	7.88	60.30
2	EIS	iShares MSCI Israel ETF	Middle East & Africa	Broad Equity	0.62%	5.51	7.32	59.80
3	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.62%	6.83	6.28	54.70
4	ISRA	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.60%	5.39	6.50	53.90
5	KSA	iShares MSCI Saudi Arabia Capped ETF	Middle East & Africa	Broad Equity	0.74%	4.92	6.06	49.60
1	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.20	10.00	75.70
2	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	4.53	8.82	70.80

3	SLYV	SPDR S&P 600 Small CapValue ETF	North America	Small Cap	0.15%	5.04	8.41	69.20
4	KIE	SPDR S&P Insurance ETF	North America	Financials	0.35%	6.33	8.42	68.60
5	SLY	SPDR S&P 600 Small CapETF	North America	Small Cap	0.15%	5.28	8.19	67.50
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	7.21	8.06	65.40
2	CEZ	VictoryShares Emerging Market Volatility Wtd ETF	Emerging Markets	Large Cap	0.50%	5.21	7.75	62.20
3	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.69%	5.18	6.73	58.80
4	VWO	Vanguard FTSE Emerging Markets ETF	Emerging Markets	Broad Equity	0.14%	4.55	6.93	58.30
5	EYLD	Cambria Emerging Shareholder Yield ETF	Emerging Markets	Broad Equity	0.69%	6.58	7.21	57.90
1	HEDJ	WisdomTree Europe Hedged Equity Fund	Developed Markets	Broad Equity	0.58%	4.41	7.23	62.10
2	EFV	iShares MSCI EAFE Value ETF	Developed Markets	Broad Equity	0.40%	4.53	6.89	60.80
3	RFDI	First Trust RiverFront Dynamic Developed International ETF	Developed Markets	Broad Equity	0.83%	5.05	6.43	57.70
4	GCOW	Pacer Global Cash Cows Dividend ETF	Developed Markets	High Dividend Yield	0.60%	3.81	6.70	57.10
5	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	4.01	6.70	56.20

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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%	4.03	7.60	63.70
2	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return Ir	Alpha-Seeking	North America	0.75%	6.84	7.94	62.20
3	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	6.11	7.08	60.50
4	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	3.88	6.93	60.00
5	IPOS	Renaissance International IPO ETF	Alpha-Seeking	Global Ex-U.S.	0.80%	7.87	7.42	58.00
1	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.62%	7.31	9.23	72.20
2	FNI	First Trust Chindia ETF	Broad Equity	Asia-Pacific	0.60%	5.21	8.63	65.90
3	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.89%	7.51	8.67	65.80
4	EWZ	iShares MSCI Brazil ETF	Broad Equity	Latin America	0.63%	6.38	7.95	65.70
5	EWW	iShares MSCI Mexico ETF	Broad Equity	Latin America	0.49%	5.57	7.82	65.10
1	FDVV	Fidelity Core Dividend ETF	High Dividend Yield	Global	0.29%	2.40	7.16	59.60
2	DIVO	Amplify YieldShares CWP Dividend & Option Income ETF	High Dividend Yield	North America	0.96%	5.12	7.12	59.50
3	EUDG	WisdomTree Europe Quality Dividend Growth Fund	High Dividend Yield	Europe	0.58%	3.66	6.87	58.70
4	LVHI	Legg Mason International Low Volatility High Dividend ETF	High Dividend Yield	Global Ex-U.S.	0.40%	4.04	7.25	58.50
5	FDRR	Fidelity Dividend ETF for Rising Rates	High Dividend Yield	Global	0.29%	2.72	6.83	58.40
1	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.77%	1.93	6.77	56.50
2	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	4.65	5.60	53.60
3	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	4.45	6.30	50.70
4	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	7.83	6.48	47.60
5	QMN	IQ Hedge Market Neutral Tracker ETF	Long/Short	Global	0.95%	3.37	4.67	40.80
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.74	4.99	49.30
2	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.47%	3.19	5.02	47.90
3	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	4.66	4.95	45.70
4	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.69	4.50	44.40
5	VRP	Invesco Variable Rate Preferred ETF	Preferred Stock	North America	0.50%	2.51	4.40	42.80
1	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	7.21	8.06	65.40
2	SUSA	iShares MSCI USA ESG Select ETF	Theme	North America	0.25%	4.35	7.31	62.80
3	ARKW	ARK Web x.0 ETF	Theme	Global	0.75%	6.46	7.64	61.10
4	KRMA	Global X Conscious Companies ETF	Theme	North America	0.43%	3.21	6.97	60.70
5	HECO	EcoLogical Strategy ETF	Theme	Global	0.95%	7.73	8.17	60.50
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	4.53	8.82	70.80
2	IOO	iShares Global 100 ETF	Large Cap	Global	0.40%	5.67	8.17	67.50

3	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.74%	5.42	7.95	65.10
4	NOBL	ProShares S&P 500 Aristocrats ETF	Large Cap	North America	0.35%	3.44	7.03	63.60
5	OEW	Invesco S&P 100 Equal Weight ETF	Large Cap	North America	0.40%	5.52	7.36	63.00
1	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15%	4.60	7.68	65.60
2	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.62	7.44	61.60
3	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15%	5.08	6.74	59.80
4	PTMC	Pacer Trendpilot US Mid Cap ETF	Mid Cap	North America	0.60%	3.41	6.79	58.90
5	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	3.56	6.36	58.80
1	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15%	5.04	8.41	69.20
2	SLY	SPDR S&P 600 Small CapETF	Small Cap	North America	0.15%	5.28	8.19	67.50
3	SMDV	ProShares Russell 2000 Dividend Growers ETF	Small Cap	North America	0.40%	3.87	7.07	63.30
4	SLYG	SPDR S&P 600 Small Cap Growth ETF	Small Cap	North America	0.15%	5.25	7.29	62.90
5	CSML	IQ Chaikin U.S. Small Cap ETF	Small Cap	North America	0.35%	4.07	7.18	61.60
1	PZI	Invesco Zacks Micro Cap ETF	Micro Cap	North America	1.24%	4.30	6.60	56.20
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	4.14	5.69	52.30
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.11	3.96	42.70
4	WMCR	Invesco Wilshire Micro-Cap ETF	Micro Cap	North America	0.58%	5.43	3.99	40.70

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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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