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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	GOAU	U.S. Global GO GOLD and Precious Metal Miners ETF	Basic Materials	Global	0.60%	6.14	7.54	59.20
2	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	5.47	6.00	56.40
3	GDJ	VanEck Vectors Gold Miners ETF	Basic Materials	Global	0.53%	5.65	5.92	55.50
4	GOEX	Global X Gold Explorers ETF	Basic Materials	Global	0.66%	7.87	6.61	55.30
5	SGDJ	Sprott Junior Gold Miners ETF	Basic Materials	Global	0.57%	7.39	6.51	54.70
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.49	7.65	64.00
2	PMR	Invesco Dynamic Retail ETF	Consumer Discretionary	North America	0.63%	6.39	6.65	56.60
3	FOANC	Gabelli Food of All Nations NextShares	Consumer Discretionary	Global	0.90%	7.09	6.90	55.50
4	ECON	Columbia Emerging Markets Consumer ETF	Consumer Discretionary	Emerging Markets	0.59%	6.05	6.12	53.80
5	FXD	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.64%	3.68	5.56	52.40
1	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.47%	5.91	8.12	67.40
2	PSCC	Invesco S&P SmallCap Consumer Staples ETF	Consumer Staples	North America	0.29%	4.31	7.30	63.70
3	XLP	Consumer Staples Select Sector SPDR Fund	Consumer Staples	North America	0.13%	2.47	6.53	61.00
4	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.40%	3.66	6.86	60.00
5	IYK	iShares US Consumer Goods ETF	Consumer Staples	North America	0.43%	3.60	6.35	58.30
1	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	6.24	7.72	64.90
2	EMLP	First Trust North American Energy Infrastructure Fund	Energy	North America	0.95%	3.23	7.42	62.80
3	PXI	Invesco DWA Energy Momentum ETF	Energy	North America	0.60%	6.57	6.35	60.00
4	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.44	6.14	58.10
5	IVENC	Ivy Energy NextShares	Energy	North America	0.95%	4.26	6.79	55.60
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.05	6.35	57.40
2	EUFN	iShares MSCI Europe Financials ETF	Financials	Europe	0.48%	5.15	6.61	57.30
3	DFNL	Davis Select Financial ETF	Financials	Global	0.65%	5.41	7.14	57.30
4	IXG	iShares Global Financials ETF	Financials	Global	0.47%	5.13	5.79	53.50
5	XLF	Financial Select Sector SPDR Fund	Financials	North America	0.13%	2.31	5.61	53.40
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.26	10.00	73.80
2	IXJ	iShares Global Healthcare ETF	Health Care	Global	0.47%	4.82	9.30	72.00
3	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	6.26	8.03	65.10
4	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.44	7.65	61.70
5	BTEC	Principal Healthcare Innovators Index ETF	Health Care	North America	0.42%	6.51	8.03	59.90
1	CARZ	First Trust NASDAQ Global Auto Index Fund	Industrials	Global	0.70%	6.42	7.90	62.20
2	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70%	6.67	6.42	58.90
3	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.38	5.46	56.80

4	FIDU	Fidelity MSCI Industrials Index ETF	Industrials	North America	0.08%	2.92	6.13	56.80
5	FTXR	First Trust Nasdaq Transportation ETF	Industrials	North America	0.60%	5.03	5.93	55.80
1	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.19	6.86	59.80
2	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.31	6.89	58.90
3	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	4.23	6.55	57.90
4	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.46%	3.37	6.41	56.30
5	TBLU	Tortoise Water Fund	Natural Resources	North America	0.40%	4.88	6.23	53.70
1	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.73	7.59	63.80
2	FINX	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.98	7.90	62.40
3	XTH	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.42	6.53	57.70
4	FTEC	Fidelity MSCI Information Technology Index ETF	Technology	North America	0.08%	3.11	6.27	56.80
5	GAMR	ETFMG Video Game Tech ETF	Technology	Global	0.75%	6.51	6.90	56.70
1	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	4.27	5.76	54.50
2	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.80	5.92	52.30
3	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	3.24	5.44	48.40
4	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.86	4.61	48.30
5	VOX	Vanguard Communication Services ETF	Telecommunications	North America	0.10%	4.72	4.67	46.30
1	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.26	6.53	59.20
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	3.74	6.31	57.20
3	UTES	Reaves Utilities ETF	Utilities	North America	0.95%	6.06	6.08	51.50
4	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	4.49	4.87	51.40
5	PUI	Invesco DWA Utilities Momentum ETF	Utilities	North America	0.60%	3.74	4.46	50.40

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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%	6.08	9.80	70.20
2	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.59%	4.65	7.60	65.10
3	EWM	iShares MSCI Malaysia ETF	Asia-Pacific	Broad Equity	0.47%	4.80	7.41	63.60
4	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74%	5.17	7.78	63.50
5	EWS	iShares MSCI Singapore ETF	Asia-Pacific	Broad Equity	0.47%	3.71	6.62	59.80
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.59%	6.90	8.58	67.70
2	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.47%	3.43	8.10	66.50
3	EWD	iShares MSCI Sweden ETF	Europe	Broad Equity	0.53%	5.38	7.92	64.60
4	FEU	SPDR STOXX Europe 50 ETF	Europe	Large Cap	0.29%	4.61	7.67	64.50
5	EWQ	iShares MSCI France ETF	Europe	Broad Equity	0.47%	3.68	7.41	63.20
1	IXJ	iShares Global Healthcare ETF	Global	Health Care	0.47%	4.82	9.30	72.00
2	IOO	iShares Global 100 ETF	Global	Large Cap	0.40%	5.65	8.40	67.90
3	KXI	iShares Global Consumer Staples ETF	Global	Consumer Staples	0.47%	5.91	8.12	67.40
4	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	6.26	8.03	65.10
5	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	6.24	7.72	64.90
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.88%	7.24	9.71	71.90
2	VIGI	Vanguard International Dividend Appreciation ETF	Global Ex-U.S.	Broad Equity	0.25%	3.46	7.49	62.40
3	HDMV	First Trust Horizon Managed Volatility Developed International ETF	Global Ex-U.S.	Broad Equity	0.80%	3.74	7.17	61.50
4	GSIE	Goldman Sachs ActiveBeta International Equity ETF	Global Ex-U.S.	Broad Equity	0.25%	2.66	7.21	61.10
5	IDHD	Invesco S&P International Developed High Dividend Low Volatility ETF	Global Ex-U.S.	High Dividend Yield	0.30%	4.48	7.35	61.10
1	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.75	8.34	66.90
2	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	5.97	6.84	59.40
3	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.59%	5.14	7.04	59.30
4	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	5.37	6.02	56.90
5	EWZ	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.59%	5.98	6.29	56.70
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.64	7.31	60.20
2	EIS	iShares MSCI Israel ETF	Middle East & Africa	Broad Equity	0.59%	5.23	6.77	56.30
3	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.27	7.20	56.30
4	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.88%	6.31	6.23	52.50
5	UAE	iShares MSCI UAE Capped ETF	Middle East & Africa	Broad Equity	0.59%	5.75	6.07	51.70
1	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.26	10.00	73.80
2	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	4.59	8.78	69.40

3	SLYV	SPDR S&P 600 Small Cap Value ETF	North America	Small Cap	0.15%	5.42	8.31	67.90
4	IWR	iShares Russell Mid-Cap ETF	North America	Mid Cap	0.20%	4.65	8.25	67.60
5	MDYV	SPDR S&P 400 Mid Cap Value ETF	North America	Mid Cap	0.15%	5.05	8.22	67.50
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	7.05	8.30	65.90
2	XCEM	Columbia EM Core ex-China ETF	Emerging Markets	Broad Equity	0.35%	5.37	7.56	60.40
3	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.67%	5.18	6.92	59.50
4	RFEM	First Trust RiverFront Dynamic Emerging Markets ETF	Emerging Markets	Broad Equity	0.95%	6.84	6.88	58.80
5	SCHE	Schwab Emerging Markets Equity ETF	Emerging Markets	Broad Equity	0.13%	3.89	6.49	58.10
1	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.50%	3.91	7.31	58.80
2	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	2.76	6.43	58.50
3	RFDI	First Trust RiverFront Dynamic Developed International ETF	Developed Markets	Broad Equity	0.83%	5.22	6.42	58.30
4	HEDJ	WisdomTree Europe Hedged Equity Fund	Developed Markets	Broad Equity	0.58%	4.18	6.41	57.40
5	EFA	iShares MSCI EAFE ETF	Developed Markets	Broad Equity	0.31%	4.15	6.10	57.10

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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%	3.67	7.22	61.30
2	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return Ir	Alpha-Seeking	North America	0.75%	7.28	7.83	61.10
3	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	7.06	7.49	59.30
4	DVP	Deep Value ETF	Alpha-Seeking	North America	0.59%	5.85	6.47	57.00
5	IPOS	Renaissance International IPO ETF	Alpha-Seeking	Global Ex-U.S.	0.80%	7.64	7.19	56.40
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.88%	7.24	9.71	71.90
2	FNI	First Trust Chindia ETF	Broad Equity	Asia-Pacific	0.60%	6.08	9.80	70.20
3	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.59%	6.90	8.58	67.70
4	EWW	iShares MSCI Mexico ETF	Broad Equity	Latin America	0.47%	5.75	8.34	66.90
5	EWU	iShares MSCI United Kingdom ETF	Broad Equity	Europe	0.47%	3.43	8.10	66.50
1	LVHD	Legg Mason Low Volatility High Dividend ETF	High Dividend Yield	North America	0.27%	2.49	7.42	61.20
2	IDHD	Invesco S&P International Developed High Dividend Low Volatility ETF	High Dividend Yield	Global Ex-U.S.	0.30%	4.48	7.35	61.10
3	VYMI	Vanguard International High Dividend Yield ETF	High Dividend Yield	Global Ex-U.S.	0.32%	3.58	7.07	60.20
4	SPYD	SPDR Portfolio S&P 500 High Dividend ETF	High Dividend Yield	North America	0.07%	2.49	6.44	59.70
5	RDVY	First Trust NASDAQ Rising Dividend Achievers	High Dividend Yield	North America	0.50%	3.44	5.94	57.30
1	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	6.51	6.83	57.90
2	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	4.01	6.09	55.20
3	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	1.98	5.41	50.20
4	CHEP	AGFiQ US Market Neutral Value Fund	Long/Short	North America	0.75%	8.34	6.52	49.70
5	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	6.96	5.04	43.30
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.85	5.73	53.20
2	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.46%	3.26	6.12	52.90
3	PGF	Invesco Financial Preferred ETF	Preferred Stock	North America	0.63%	3.05	5.02	50.10
4	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	4.39	4.83	44.80
5	PFFD	Global X US Preferred ETF	Preferred Stock	North America	0.23%	3.69	4.98	44.20
1	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	7.05	8.30	65.90
2	KRMA	Global X Conscious Companies ETF	Theme	North America	0.43%	3.57	7.43	62.90
3	SUSA	iShares MSCI USA ESG Select ETF	Theme	North America	0.25%	4.32	7.17	62.10
4	SEA	Invesco Shipping ETF	Theme	Global	0.66%	7.04	7.24	61.80
5	BOTZ	Global X Robotics & Artificial Intelligence Thematic ETF	Theme	Global	0.68%	4.09	6.98	61.60
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	4.59	8.78	69.40
2	IOO	iShares Global 100 ETF	Large Cap	Global	0.40%	5.65	8.40	67.90

3	EEH	ELEMENTS SPECTRUM ETN	Large Cap	North America	0.75%	7.30	8.86	65.80
4	EPS	WisdomTree U.S. Earnings 500 Fund	Large Cap	North America	0.28%	4.46	8.03	65.00
5	FEU	SPDR STOXX Europe 50 ETF	Large Cap	Europe	0.29%	4.61	7.67	64.50
1	IWR	iShares Russell Mid-Cap ETF	Mid Cap	North America	0.20%	4.65	8.25	67.60
2	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15%	5.05	8.22	67.50
3	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15%	4.97	7.06	61.30
4	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.82	7.07	59.10
5	DON	WisdomTree U.S. MidCap Dividend Fund	Mid Cap	North America	0.38%	5.32	6.35	57.40
1	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15%	5.42	8.31	67.90
2	SLY	SPDR S&P 600 Small CapETF	Small Cap	North America	0.15%	5.38	7.31	62.50
3	SLYG	SPDR S&P 600 Small Cap Growth ETF	Small Cap	North America	0.15%	5.38	7.14	61.40
4	SMDV	ProShares Russell 2000 Dividend Growers ETF	Small Cap	North America	0.40%	4.12	6.53	60.30
5	DES	WisdomTree U.S. SmallCap Dividend Fund	Small Cap	North America	0.38%	5.90	6.98	59.70
1	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	4.60	4.48	46.60
2	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.28	3.78	42.40

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*Key

***ETF Global 10 Red Diamond Risk Rating:** An ETF Global 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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