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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%	6.36	9.11	65.80
2	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	6.02	7.95	65.00
3	GOEX	Global X Gold Explorers ETF	Basic Materials	Global	0.66%	7.10	8.25	62.50
4	SIL	Global X Silver Miners ETF	Basic Materials	Global	0.65%	7.04	7.78	59.50
5	GDX	VanEck Vectors Gold Miners ETF	Basic Materials	Global	0.53%	5.19	6.96	58.80
1	PEJ	Invesco Dynamic Leisure and Entertainment ETF	Consumer Discretionary	North America	0.63%	5.65	8.40	64.50
2	IBUY	Amplify Online Retail ETF	Consumer Discretionary	Global	0.65%	6.37	7.76	58.30
3	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.30	6.40	55.70
4	XHB	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	2.65	5.18	55.30
5	PBS	Invesco Dynamic Media ETF	Consumer Discretionary	North America	0.63%	4.45	6.67	55.00
1	PBJ	Invesco Dynamic Food & Beverage ETF	Consumer Staples	North America	0.63%	4.68	6.97	59.50
2	FXG	First Trust Consumer Staples AlphaDEX Fund	Consumer Staples	North America	0.64%	4.40	6.73	58.10
3	FTXG	First Trust Nasdaq Food & Beverage ETF	Consumer Staples	North America	0.60%	4.32	6.80	57.10
4	XLP	Consumer Staples Select Sector SPDR Fund	Consumer Staples	North America	0.13%	2.73	5.93	55.90
5	RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	Consumer Staples	North America	0.40%	4.73	5.46	54.20
1	IXC	iShares Global Energy ETF	Energy	Global	0.47%	6.27	10.00	75.30
2	XLE	Energy Select Sector SPDR Fund	Energy	North America	0.13%	5.45	9.46	73.30
3	FCG	First Trust Natural Gas ETF	Energy	North America	0.60%	6.59	9.46	73.00
4	AMLPL	Alerian MLP ETF	Energy	North America	0.85%	5.29	9.38	72.80
5	RYE	Invesco S&P 500 Equal Weight Energy ETF	Energy	North America	0.40%	6.74	9.03	71.60
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.48	8.98	67.30
2	PSCF	Invesco S&P SmallCap Financials ETF	Financials	North America	0.29%	6.22	9.25	66.70
3	IAT	iShares US Regional Banks ETF	Financials	North America	0.43%	5.95	8.62	64.70
4	KBWR	Invesco KBW Regional Banking ETF	Financials	North America	0.35%	6.90	8.39	63.50
5	KRE	SPDR S&P Regional Banking ETF	Financials	North America	0.35%	5.86	8.13	62.90
1	XBI	SPDR S&P Biotech ETF	Health Care	North America	0.35%	5.14	8.44	65.60
2	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	4.91	6.86	57.70
3	FBT	First Trust NYSE Arca Biotechnology Index Fund	Health Care	North America	0.56%	6.21	6.60	56.90
4	PBE	Invesco Dynamic Biotechnology & Genome ETF	Health Care	North America	0.59%	5.83	6.81	56.20
5	BTEC	Principal Healthcare Innovators Index ETF	Health Care	North America	0.42%	5.75	7.22	56.00
1	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70%	7.94	6.72	57.50
2	XTN	SPDR S&P Transportation ETF	Industrials	North America	0.35%	5.35	5.76	55.40
3	JETS	U.S. Global Jets ETF	Industrials	Global	0.60%	6.52	6.16	55.10

4	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	6.20	5.55	54.20
5	CHII	Global X MSCI China Industrials ETF	Industrials	Asia-Pacific	0.65%	5.47	6.59	53.70
1	IGE	iShares North American Natural Resources ETF	Natural Resources	Global	0.47%	5.56	6.45	57.40
2	WOOD	iShares Global Timber & Forestry ETF	Natural Resources	Global	0.47%	7.07	6.32	54.80
3	GRES	IQ Global Resources ETF	Natural Resources	Global	0.78%	5.56	6.67	54.70
4	GUNR	FlexShares Global Upstream Natural Resources Index Fund	Natural Resources	Global	0.46%	5.28	6.06	54.50
5	VEGI	iShares MSCI Global Agriculture Producers ETF	Natural Resources	Global	0.39%	4.34	6.22	53.40
1	FNG	AdvisorShares New Tech and Media ETF	Technology	North America	0.85%	5.04	7.79	59.10
2	FONE	First Trust Nasdaq Smartphone Index Fund	Technology	Global	0.70%	6.90	7.15	56.90
3	XTH	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.29	6.92	56.00
4	IFLY	ETFMG Drone Economy Strategy ETF	Technology	Global	0.75%	7.68	7.12	53.90
5	IPAY	ETFMG Prime Mobile Payments ETF	Technology	Global	0.75%	6.62	6.92	53.50
1	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.87	6.65	53.70
2	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	3.26	5.53	48.90
3	EWCO	Invesco S&P 500 Equal Weight Communication Services ETF	Telecommunications	North America	0.40%	5.14	4.57	44.40
4	XLC	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.13%	4.57	3.75	41.50
5	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.89	3.67	38.40
1	PUI	Invesco DWA Utilities Momentum ETF	Utilities	North America	0.60%	3.88	5.94	55.40
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	5.06	6.31	54.00
3	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	3.48	5.72	52.70
4	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.13%	3.93	4.84	50.50
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	5.47	5.12	49.30

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Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	SCIN	Columbia India Small Cap ETF	Asia-Pacific	Small Cap	0.77%	5.37	8.85	64.10
2	WCHN	WisdomTree ICBCCS S&P China 500 Fund	Asia-Pacific	Large Cap	0.55%	4.97	8.21	61.90
3	THD	iShares MSCI Thailand ETF	Asia-Pacific	Broad Equity	0.59%	5.75	7.44	59.70
4	CHIX	Global X MSCI China Financials ETF	Asia-Pacific	Financials	0.65%	5.26	8.08	58.90
5	DVYA	iShares Asia/Pacific Dividend ETF	Asia-Pacific	High Dividend Yield	0.49%	6.41	7.33	58.80
1	EUDG	WisdomTree Europe Quality Dividend Growth Fund	Europe	High Dividend Yield	0.58%	3.88	8.22	62.10
2	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.59%	7.28	7.61	60.10
3	FEU	SPDR STOXX Europe 50 ETF	Europe	Large Cap	0.29%	6.50	7.63	59.30
4	EPOL	iShares MSCI Poland ETF	Europe	Broad Equity	0.63%	6.96	7.40	58.30
5	EWO	iShares MSCI Austria ETF	Europe	Broad Equity	0.47%	5.96	7.10	57.00
1	IXC	iShares Global Energy ETF	Global	Energy	0.47%	6.27	10.00	75.30
2	FILL	iShares MSCI Global Energy Producers ETF	Global	Energy	0.39%	5.58	9.77	71.40
3	KOL	VanEck Vectors Coal ETF	Global	Energy	0.60%	7.41	9.77	69.30
4	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	6.05	8.95	69.00
5	ACIM	SPDR MSCI ACWI IMI ETF US	Global	Broad Equity	0.25%	7.08	9.48	68.20
1	TTAI	TrimTabs All Cap International Free Cash-Flow ETF	Global Ex-U.S.	Broad Equity	0.59%	6.13	7.98	58.70
2	DHDG	WisdomTree Dynamic Currency Hedged International Quality Dividend	Global Ex-U.S.	Broad Equity	0.48%	5.63	7.15	56.80
3	EFAD	ProShares MSCI EAFE Dividend Growers ETF	Global Ex-U.S.	Broad Equity	0.50%	4.62	6.51	55.40
4	RIDV	Oppenheimer International Ultra Dividend Revenue ETF	Global Ex-U.S.	Broad Equity	0.42%	3.78	6.58	53.50
5	LVIN	Hartford Multifactor Low Volatility International Equity ETF	Global Ex-U.S.	Broad Equity	0.29%	4.02	6.74	52.60
1	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	6.44	9.58	71.10
2	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.89	7.82	62.50
3	AGT	iShares MSCI Argentina and Global Exposure ETF	Latin America	Broad Equity	0.59%	6.52	7.35	57.50
4	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	6.73	6.35	55.40
5	BRF	VanEck Vectors Brazil Small-Cap ETF	Latin America	Small Cap	0.60%	8.10	6.62	53.50
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.93	9.54	68.30
2	GULF	WisdomTree Middle East Dividend Fund	Middle East & Africa	Broad Equity	0.88%	5.19	7.08	56.50
3	AFK	VanEck Vectors Africa Index ETF	Middle East & Africa	Broad Equity	0.84%	7.05	6.84	53.20
4	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.88%	7.66	5.72	47.50
5	UAE	iShares MSCI UAE Capped ETF	Middle East & Africa	Broad Equity	0.59%	5.78	5.53	47.50
1	XLE	Energy Select Sector SPDR Fund	North America	Energy	0.13%	5.45	9.46	73.30
2	FCG	First Trust Natural Gas ETF	North America	Energy	0.60%	6.59	9.46	73.00

3	AMLP	Alerian MLP ETF	North America	Energy	0.85%	5.29	9.38	72.80
4	RYE	Invesco S&P 500 Equal Weight Energy ETF	North America	Energy	0.40%	6.74	9.03	71.60
5	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	North America	Energy	0.35%	5.19	8.87	70.90
1	FEM	First Trust Emerging Markets AlphaDEX Fund	Emerging Markets	Broad Equity	0.80%	6.76	7.98	61.30
2	ICOL	iShares MSCI Colombia Capped ETF	Emerging Markets	Broad Equity	0.61%	6.01	7.51	58.50
3	EEMD	AAM S&P Emerging Markets High Dividend Value ETF	Emerging Markets	High Dividend Yield	0.49%	7.07	7.61	56.50
4	DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	Emerging Markets	Small Cap	0.63%	5.41	6.77	55.70
5	SDEM	Global X MSCI SuperDividend Emerging Markets ETF	Emerging Markets	High Dividend Yield	0.66%	6.09	6.95	55.50
1	DLS	WisdomTree International SmallCap Dividend Fund	Developed Markets	Small Cap	0.58%	5.68	6.34	54.50
2	HDEF	X-trackers MSCI EAFE High Dividend Yield Equity ETF	Developed Markets	High Dividend Yield	0.20%	5.06	6.93	53.60
3	FDTS	First Trust Developed Markets ex-US Small Cap AlphaDEX Fund	Developed Markets	Small Cap	0.80%	6.43	6.46	53.50
4	ISDS	Invesco Strategic Developed ex-US Small Company ETF	Developed Markets	Small Cap	0.35%	4.23	6.35	53.20
5	GWX	SPDR S&P International Small Cap ETF	Developed Markets	Small Cap	0.40%	5.58	6.13	52.90

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Equity ETF Select List - Strategies



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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	CSD	Invesco S&P Spin-Off ETF	Alpha-Seeking	North America	0.64%	4.96	8.37	67.90
2	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	5.41	8.79	64.80
3	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return In	Alpha-Seeking	North America	0.75%	5.37	8.68	63.20
4	BUY	USCF SummerHaven SHPEI Index Fund	Alpha-Seeking	North America	0.95%	6.34	7.78	59.50
5	RYJ	Invesco Raymond James SB-1 Equity ETF	Alpha-Seeking	North America	0.75%	5.21	6.67	56.30
1	ECH	iShares MSCI Chile ETF	Broad Equity	Latin America	0.59%	6.44	9.58	71.10
2	EZA	iShares MSCI South Africa ETF	Broad Equity	Middle East & Africa	0.59%	6.93	9.54	68.30
3	ACIM	SPDR MSCI ACWI IMI ETF US	Broad Equity	Global	0.25%	7.08	9.48	68.20
4	FFTY	Innovator IBD 50 ETF	Broad Equity	Global	0.80%	7.21	9.28	64.60
5	BFOR	Barrons 400 ETF	Broad Equity	North America	0.65%	5.96	8.25	63.10
1	FGD	First Trust DJ Global Select Dividend Index Fund	High Dividend Yield	Global	0.58%	6.58	8.67	65.30
2	EUDG	WisdomTree Europe Quality Dividend Growth Fund	High Dividend Yield	Europe	0.58%	3.88	8.22	62.10
3	VYM	Vanguard High Dividend Yield ETF	High Dividend Yield	North America	0.08%	3.81	7.66	61.30
4	DVY	iShares Select Dividend ETF	High Dividend Yield	North America	0.39%	5.19	7.17	60.50
5	DIVC	C-Tracks Exchange-Traded Notes Miller/Howard Strategic Dividend Re	High Dividend Yield	North America	0.70%	7.36	8.17	59.60
1	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	5.92	8.65	64.20
2	JPLS	JPMorgan Long/Short ETF	Long/Short	Developed Markets	0.69%	3.53	6.24	52.10
3	MRGR	ProShares Merger ETF	Long/Short	Global	0.75%	4.28	6.20	51.90
4	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	2.81	5.97	50.60
5	QMN	IQ Hedge Market Neutral Tracker ETF	Long/Short	Global	1.01%	3.54	6.14	49.10
1	PFXE	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.79	7.64	60.20
2	PGX	Invesco Preferred ETF	Preferred Stock	North America	0.51%	1.00	6.22	57.90
3	FPE	First Trust Preferred Securities and Income ETF	Preferred Stock	Global	0.85%	2.99	6.83	56.20
4	PGF	Invesco Financial Preferred ETF	Preferred Stock	North America	0.63%	2.52	5.45	51.40
5	PSK	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.64	5.52	50.80
1	XKCP	SPDR Kensho Clean Power ETF	Theme	North America	0.45%	6.96	9.34	67.50
2	XKFF	SPDR Kensho Final Frontiers ETF	Theme	North America	0.45%	6.72	7.76	60.00
3	NLR	VanEck Vectors Uranium+Nuclear Energy ETF	Theme	Global	0.61%	6.91	7.32	59.60
4	EQRR	Proshares Equities For Rising Rates ETF	Theme	North America	0.35%	6.78	7.13	58.20
5	HFGIC	Hartford Global Impact Nextshares Fund	Theme	Global	0.71%	5.19	7.61	57.40
1	PXLG	Invesco Russell Top 200 Pure Growth ETF	Large Cap	North America	0.39%	5.98	9.14	66.50
2	VSDA	Victoryshares Dividend Accelerator ETF	Large Cap	North America	0.35%	4.54	8.17	63.10

3	WCHN	WisdomTree ICBCCS S&P China 500 Fund	Large Cap	Asia-Pacific	0.55%	4.97	8.21	61.90
4	FLAG	Forensic Accounting Long-Short ETF	Large Cap	North America	1.15%	7.22	8.38	61.70
5	SPYB	SPDR S&P 500 Buyback ETF	Large Cap	North America	0.35%	6.40	7.98	61.00
1	PXMV	Invesco Russell MidCap Pure Value ETF	Mid Cap	North America	0.39%	5.98	8.50	63.40
2	REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	5.07	7.02	59.40
3	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	5.60	6.86	54.60
4	IJJ	iShares S&P Mid-Cap 400 Value ETF	Mid Cap	North America	0.25%	6.01	6.09	54.50
5	RFV	Invesco S&P MidCap 400 Pure Value ETF	Mid Cap	North America	0.35%	5.57	6.38	54.40
1	SCIN	Columbia India Small Cap ETF	Small Cap	Asia-Pacific	0.77%	5.37	8.85	64.10
2	JKL	iShares Morningstar Small-Cap Value ETF	Small Cap	North America	0.30%	6.53	7.93	62.30
3	RZV	Invesco S&P SmallCap 600 Pure Value ETF	Small Cap	North America	0.35%	5.96	7.82	61.30
4	SMDV	ProShares Russell 2000 Dividend Growers ETF	Small Cap	North America	0.40%	5.71	7.25	60.50
5	PXSU	Invesco Russell 2000 Pure Value ETF	Small Cap	North America	0.39%	6.04	7.74	59.80
1	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.94	9.75	70.10
2	DWMC	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	0.99%	7.74	8.01	59.50
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.64	5.63	50.10

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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 ETFG® 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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