

For Research
Inquiries:

research@etfg.com

For Subscription
Inquiries:

(212) 223-3834

www.etfg.com

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

ETFGlobal[®]

November 30, 2020

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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	5.60	6.96	61.00
2	GDX	VanEck Vectors Gold Miners ETF	Basic Materials	Global	0.53%	4.83	6.32	56.70
3	RTM	Invesco S&P 500 Equal Weight Materials ETF	Basic Materials	North America	0.40%	6.10	6.16	55.80
4	FXZ	First Trust Materials AlphaDEX Fund	Basic Materials	North America	0.64%	5.57	6.19	55.60
5	SGDM	Sprott Gold Miners ETF	Basic Materials	Global	0.57%	5.71	6.15	54.40
1	PEJ	Invesco Dynamic Leisure and Entertainment ETF	Consumer Discretionary	North America	0.63%	5.87	6.88	58.00
2	IBUY	Amplify Online Retail ETF	Consumer Discretionary	Global	0.65%	6.35	6.32	52.60
3	XHB	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	2.07	4.48	52.40
4	ECON	Columbia Emerging Markets Consumer ETF	Consumer Discretionary	Emerging Markets	0.59%	5.35	6.37	52.20
5	ITB	iShares U.S. Home Construction ETF	Consumer Discretionary	North America	0.43%	3.84	5.67	51.90
1	FTXG	First Trust Nasdaq Food & Beverage ETF	Consumer Staples	North America	0.60%	4.03	6.45	56.50
2	PBJ	Invesco Dynamic Food & Beverage ETF	Consumer Staples	North America	0.63%	3.78	6.02	55.50
3	FXG	First Trust Consumer Staples AlphaDEX Fund	Consumer Staples	North America	0.64%	3.88	5.39	52.40
4	RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	Consumer Staples	North America	0.40%	4.53	4.65	50.80
5	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.47%	5.78	4.74	49.00
1	PXI	Invesco DWA Energy Momentum ETF	Energy	North America	0.60%	7.09	9.94	75.90
2	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	5.83	9.93	75.90
3	RYE	Invesco S&P 500 Equal Weight Energy ETF	Energy	North America	0.40%	6.71	9.38	75.00
4	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	Energy	North America	0.35%	5.15	9.15	74.30
5	KOL	VanEck Vectors Coal ETF	Energy	Global	0.60%	7.08	9.48	72.60
1	KBWD	Invesco KBW High Dividend Yield Financial ETF	Financials	North America	2.42%	6.50	9.75	71.50
2	KBWR	Invesco KBW Regional Banking ETF	Financials	North America	0.35%	7.22	9.70	71.10
3	QABA	First Trust NASDAQ ABA Community Bank Index Fund	Financials	North America	0.60%	6.55	9.72	70.70
4	FXO	First Trust Financial AlphaDEX Fund	Financials	North America	0.63%	5.78	9.06	68.50
5	KRE	SPDR S&P Regional Banking ETF	Financials	North America	0.35%	5.75	8.83	67.90
1	XBI	SPDR S&P Biotech ETF	Health Care	North America	0.35%	4.89	8.08	65.50
2	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	4.11	7.07	59.90
3	FBT	First Trust NYSE Arca Biotechnology Index Fund	Health Care	North America	0.56%	5.68	6.35	56.60
4	BBC	Virtus LifeSci Biotech Clinical Trials ETF	Health Care	North America	0.79%	6.96	6.98	55.90
5	CNCR	Loncar Cancer Immunotherapy ETF	Health Care	North America	0.79%	6.47	6.89	55.80
1	JETS	U.S. Global Jets ETF	Industrials	Global	0.60%	6.80	7.37	62.10
2	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70%	7.49	7.13	60.60
3	XTN	SPDR S&P Transportation ETF	Industrials	North America	0.35%	5.10	6.22	58.30

4	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.62	5.78	56.10
5	AIRR	First Trust RBA American Industrial Renaissance ETF	Industrials	North America	0.70%	5.53	6.06	55.10
1	GRES	IQ Global Resources ETF	Natural Resources	Global	0.78%	4.99	7.50	60.50
2	GNR	SPDR S&P Global Natural Resources ETF	Natural Resources	Global	0.40%	5.86	6.99	60.30
3	IGE	iShares North American Natural Resources ETF	Natural Resources	Global	0.47%	5.26	6.39	58.10
4	SOIL	Global X Fertilizers/Potash ETF	Natural Resources	Global	0.69%	5.41	6.44	53.80
5	WOOD	iShares Global Timber & Forestry ETF	Natural Resources	Global	0.47%	6.68	5.80	53.20
1	FONE	First Trust Nasdaq Smartphone Index Fund	Technology	Global	0.70%	6.57	7.11	57.70
2	IFLY	ETFMG Drone Economy Strategy ETF	Technology	Global	0.75%	7.36	7.44	56.60
3	IPAY	ETFMG Prime Mobile Payments ETF	Technology	Global	0.75%	6.33	6.87	54.30
4	XTH	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.13	6.21	53.40
5	FDN	First Trust Dow Jones Internet Index Fund	Technology	North America	0.53%	4.73	5.78	52.20
1	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.46	6.19	52.80
2	EWCO	Invesco S&P 500 Equal Weight Communication Services ETF	Telecommunications	North America	0.40%	5.40	5.29	48.10
3	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	2.94	4.42	44.00
4	XLC	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.13%	3.84	4.12	43.60
5	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.04	3.05	35.50
1	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	3.10	7.30	61.50
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	5.17	5.95	53.10
3	RYU	Invesco S&P 500 Equal Weight Utilities ETF	Utilities	North America	0.40%	5.37	4.88	51.20
4	PUI	Invesco DWA Utilities Momentum ETF	Utilities	North America	0.60%	4.65	4.90	50.20
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	5.10	4.34	46.10

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Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	THD	iShares MSCI Thailand ETF	Asia-Pacific	Broad Equity	0.59%	5.73	9.28	70.10
2	DVYA	iShares Asia/Pacific Dividend ETF	Asia-Pacific	High Dividend Yield	0.49%	6.12	8.79	67.40
3	SCIN	Columbia India Small Cap ETF	Asia-Pacific	Small Cap	0.77%	5.05	8.24	62.60
4	EPHE	iShares MSCI Philippines ETF	Asia-Pacific	Broad Equity	0.59%	5.18	7.70	60.10
5	EIDO	iShares MSCI Indonesia ETF	Asia-Pacific	Broad Equity	0.59%	4.66	7.22	58.50
1	EIRL	iShares MSCI Ireland ETF	Europe	Broad Equity	0.47%	5.12	7.22	57.60
2	FEU	SPDR STOXX Europe 50 ETF	Europe	Large Cap	0.29%	6.12	7.02	57.50
3	GRMY	Xtrackers Germany Equity ETF	Europe	Broad Equity	0.09%	5.17	7.25	55.40
4	EUFN	iShares MSCI Europe Financials ETF	Europe	Financials	0.48%	5.70	6.29	54.50
5	EWO	iShares MSCI Austria ETF	Europe	Broad Equity	0.47%	5.83	6.38	54.30
1	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	5.83	9.93	75.90
2	KOL	VanEck Vectors Coal ETF	Global	Energy	0.60%	7.08	9.48	72.60
3	FRAK	VanEck Vectors Unconventional Oil & Gas ETF	Global	Energy	0.54%	6.56	9.32	71.90
4	FILL	iShares MSCI Global Energy Producers ETF	Global	Energy	0.39%	5.45	9.09	69.70
5	IXC	iShares Global Energy ETF	Global	Energy	0.47%	6.30	8.50	69.50
1	MOTI	VanEck Vectors Morningstar International Moat ETF	Global Ex-U.S.	Broad Equity	0.56%	5.47	6.81	56.60
2	ICOW	Pacer Developed Markets International Cash Cows 100 ETF	Global Ex-U.S.	Broad Equity	0.65%	5.88	6.82	56.20
3	RIDV	Oppenheimer International Ultra Dividend Revenue ETF	Global Ex-U.S.	Broad Equity	0.42%	3.25	6.84	55.80
4	IDHD	Invesco S&P International Developed High Dividend Low Volatility ETF	Global Ex-U.S.	High Dividend Yield	0.30%	4.69	6.48	55.50
5	FNDF	Schwab Fundamental International Large Company Index	Global Ex-U.S.	Large Cap	0.25%	3.82	5.92	53.50
1	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	6.02	9.41	72.00
2	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.59%	6.36	8.14	62.20
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	6.48	6.77	58.50
4	GXG	Global X MSCI Colombia ETF	Latin America	Broad Equity	0.61%	5.67	6.99	57.00
5	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.57	6.00	54.60
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.62	6.68	55.70
2	AFK	VanEck Vectors Africa Index ETF	Middle East & Africa	Broad Equity	0.84%	6.39	6.60	52.90
3	GULF	WisdomTree Middle East Dividend Fund	Middle East & Africa	Broad Equity	0.88%	4.77	5.94	51.80
4	UAE	iShares MSCI UAE Capped ETF	Middle East & Africa	Broad Equity	0.59%	4.43	5.73	49.40
5	EGPT	VanEck Vectors Egypt Index ETF	Middle East & Africa	Broad Equity	0.94%	7.47	4.71	43.70
1	PXI	Invesco DWA Energy Momentum ETF	North America	Energy	0.60%	7.09	9.94	75.90
2	RYE	Invesco S&P 500 Equal Weight Energy ETF	North America	Energy	0.40%	6.71	9.38	75.00

3	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	North America	Energy	0.35%	5.15	9.15	74.30
4	PXE	Invesco Dynamic Energy Exploration & Production ETF	North America	Energy	0.65%	6.91	9.14	72.50
5	KBWD	Invesco KBW High Dividend Yield Financial ETF	North America	Financials	2.42%	6.50	9.75	71.50
1	DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	Emerging Markets	Small Cap	0.63%	5.06	7.57	60.70
2	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	7.16	6.54	56.60
3	DVYE	iShares Emerging Markets Dividend ETF	Emerging Markets	High Dividend Yield	0.49%	5.49	6.42	55.50
4	EMMF	WisdomTree Emerging Markets Multifactor Fund	Emerging Markets	Broad Equity	0.48%	4.16	6.83	54.90
5	ISEM	Invesco Strategic Emerging Markets ETF	Emerging Markets	Large Cap	0.35%	4.27	6.60	54.10
1	JPLS	JPMorgan Long/Short ETF	Developed Markets	Long/Short	0.69%	3.03	7.17	57.70
2	GCOW	Pacer Global Cash Cows Dividend ETF	Developed Markets	High Dividend Yield	0.60%	5.85	7.02	57.40
3	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	4.98	7.11	56.00
4	PID	Invesco International Dividend Achievers ETF	Developed Markets	High Dividend Yield	0.55%	5.33	6.22	54.10
5	ISDS	Invesco Strategic Developed ex-US Small Company ETF	Developed Markets	Small Cap	0.35%	3.74	6.35	54.00

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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%	4.76	6.54	59.20
2	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return Ir	Alpha-Seeking	North America	0.75%	5.05	6.92	55.80
3	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	5.02	6.65	55.60
4	VALX	Validea Market Legends ETF	Alpha-Seeking	Global	0.81%	6.87	6.73	53.70
5	RYJ	Invesco Raymond James SB-1 Equity ETF	Alpha-Seeking	North America	0.75%	5.83	6.02	53.40
1	ECH	iShares MSCI Chile ETF	Broad Equity	Latin America	0.59%	6.02	9.41	72.00
2	RODI	Barclays Return on Disability ETN	Broad Equity	North America	0.45%	7.37	10.00	70.90
3	THD	iShares MSCI Thailand ETF	Broad Equity	Asia-Pacific	0.59%	5.73	9.28	70.10
4	ACIM	SPDR MSCI ACWI IMI ETF US	Broad Equity	Global	0.25%	6.74	8.74	66.20
5	XMX	WisdomTree Global ex-Mexico Equity Fund	Broad Equity	Global	0.20%	2.88	8.27	63.60
1	FGD	First Trust DJ Global Select Dividend Index Fund	High Dividend Yield	Global	0.58%	6.61	9.07	69.30
2	DVYA	iShares Asia/Pacific Dividend ETF	High Dividend Yield	Asia-Pacific	0.49%	6.12	8.79	67.40
3	PEY	Invesco High Yield Equity Dividend Achievers ETF	High Dividend Yield	North America	0.54%	4.91	7.70	64.00
4	DVI	iShares Select Dividend ETF	High Dividend Yield	North America	0.39%	5.62	7.40	62.80
5	WBI	WBI BullBear Yield 1000 ETF	High Dividend Yield	Global	1.04%	5.05	7.57	60.00
1	JPLS	JPMorgan Long/Short ETF	Long/Short	Developed Markets	0.69%	3.03	7.17	57.70
2	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	5.43	6.86	56.30
3	QMN	IQ Hedge Market Neutral Tracker ETF	Long/Short	Global	1.01%	2.78	6.93	54.70
4	MRGR	ProShares Merger ETF	Long/Short	Global	0.75%	3.26	6.19	53.30
5	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	1.99	5.97	52.90
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.46	7.34	60.10
2	VRP	Invesco Variable Rate Preferred ETF	Preferred Stock	North America	0.50%	3.27	7.34	59.90
3	SPFF	Global X SuperIncome Preferred ETF	Preferred Stock	North America	0.58%	3.82	7.07	57.70
4	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	3.97	6.01	53.00
5	FPE	First Trust Preferred Securities and Income ETF	Preferred Stock	Global	0.85%	2.85	5.80	51.90
1	XKCP	SPDR Kensho Clean Power ETF	Theme	North America	0.45%	6.64	8.36	64.30
2	VETS	Pacer Military Times Best Employers ETF	Theme	Global	0.60%	6.65	7.45	60.50
3	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	7.16	6.54	56.60
4	WIL	Barclays Women in Leadership ETN	Theme	North America	0.45%	7.36	7.30	56.60
5	HFGIC	Hartford Global Impact Nextshares Fund	Theme	Global	0.71%	4.74	7.10	56.10
1	SPHB	Invesco S&P 500 High Beta ETF	Large Cap	North America	0.25%	5.34	7.83	64.90
2	OMFL	Oppenheimer Russell 1000 Dynamic Multifactor ETF	Large Cap	North America	0.29%	4.77	7.94	63.00

3	SDOG	ALPS Sector Dividend Dogs ETF	Large Cap	North America	0.40%	5.95	7.34	61.70
4	PXLG	Invesco Russell Top 200 Pure Growth ETF	Large Cap	North America	0.39%	5.62	7.83	61.60
5	PMOM	Principal Sustainable Momentum Index ETF	Large Cap	North America	0.29%	6.51	7.94	60.90
1	PXMV	Invesco Russell MidCap Pure Value ETF	Mid Cap	North America	0.39%	5.51	8.40	64.40
2	RFV	Invesco S&P MidCap 400 Pure Value ETF	Mid Cap	North America	0.35%	5.82	7.82	62.20
3	EZM	WisdomTree U.S. MidCap Earnings Fund	Mid Cap	North America	0.38%	5.43	7.47	61.00
4	IVOV	Vanguard S&P Mid-Cap 400 Value ETF	Mid Cap	North America	0.20%	5.46	6.64	57.40
5	FNK	First Trust Mid Cap Value AlphaDEX Fund	Mid Cap	North America	0.70%	5.88	6.77	57.00
1	IWN	iShares Russell 2000 Value ETF	Small Cap	North America	0.24%	5.15	8.78	68.30
2	IJR	iShares Core S&P Small-Cap ETF	Small Cap	North America	0.07%	4.54	8.06	65.50
3	IWM	iShares Russell 2000 ETF	Small Cap	North America	0.19%	4.27	7.73	63.30
4	RZV	Invesco S&P SmallCap 600 Pure Value ETF	Small Cap	North America	0.35%	6.07	7.99	63.20
5	SCIN	Columbia India Small Cap ETF	Small Cap	Asia-Pacific	0.77%	5.05	8.24	62.60
1	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.45	8.60	65.90
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	6.02	8.36	65.00
3	DWMC	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	0.99%	6.88	7.37	57.90

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*Key

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