Weekly ETF Equity Select List

ETFGlobal®

For Research Inquiries:	About the ETFG ETP Weekly Select List
research@etfg.com	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.
For Subscription Inquiries: (212) 223-3834	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.
www.etfg.com	 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				ET	FG	lob		
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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%	5.58	7.32	63.40	
2	GDX	VanEck Vectors Gold Miners ETF	Basic Materials	Global	0.53%	4.61	6.90	59.80	
3	FXZ	First Trust Materials AlphaDEX Fund	Basic Materials	North America	0.64%	5.52	6.53	57.00	
4	PYZ	Invesco DWA Basic Materials Momentum ETF	Basic Materials	North America	0.60%	5.65	6.13	55.20	
5	PSCM	Invesco S&P SmallCap Materials ETF	Basic Materials	North America	0.29%	5.77	6.42	54.50	
1	<u>XRT</u>	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	4.50	6.48	57.30	
2	<u>XHB</u>	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	2.31	5.64	57.20	
3	PEJ	Invesco Dynamic Leisure and Entertainment ETF	Consumer Discretionary	North America	0.63%	5.89	6.20	54.30	
4	FOANC	Gabelli Food of All Nations NextShares	Consumer Discretionary	Global	0.90%	6.73	6.81	53.20	
5	<u>IBUY</u>	Amplify Online Retail ETF	Consumer Discretionary	Global	0.65%	6.43	6.33	52.40	
1	<u>PBJ</u>	Invesco Dynamic Food & Beverage ETF	Consumer Staples	North America	0.63%	3.64	6.50	58.40	
2	FTXG	First Trust Nasdaq Food & Beverage ETF	Consumer Staples	North America	0.60%	3.93	6.58	57.00	
3	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.47%	5.97	5.87	53.90	
4	FXG	First Trust Consumer Staples AlphaDEX Fund	Consumer Staples	North America	0.64%	3.85	5.55	52.10	
5	<u>RHS</u>	Invesco S&P 500 Equal Weight Consumer Staples ETF	Consumer Staples	North America	0.40%	4.58	5.12	51.70	
1	<u>PXI</u>	Invesco DWA Energy Momentum ETF	Energy	North America	0.60%	5.67	10.00	81.20	
2	PXE	Invesco Dynamic Energy Exploration & Production ETF	Energy	North America	0.65%	5.71	9.17	76.40	
3	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	Energy	North America	0.35%	5.14	8.90	74.90	
4	<u>PXJ</u>	Invesco Dynamic Oil & Gas Services ETF	Energy	North America	0.63%	4.97	8.85	74.30	
5	<u>FCG</u>	First Trust Natural Gas ETF	Energy	North America	0.60%	6.25	8.90	73.30	
1	<u>KRE</u>	SPDR S&P Regional Banking ETF	Financials	North America	0.35%	5.74	9.16	71.70	
2	KBWR	Invesco KBW Regional Banking ETF	Financials	North America	0.35%	7.22	9.36	71.70	
3	QABA	First Trust NASDAQ ABA Community Bank Index Fund	Financials	North America	0.60%	6.52	9.02	69.20	
4	BIZD	VanEck Vectors BDC Income ETF	Financials	North America	9.41%	5.95	8.86	69.00	
5	<u>KBE</u>	SPDR S&P Bank ETF	Financials	North America	0.35%	6.07	8.51	68.50	
1	<u>XBI</u>	SPDR S&P Biotech ETF	Health Care	North America	0.35%	4.78	9.03	72.30	
2	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	4.41	7.10	60.30	
3	BBC	Virtus LifeSci Biotech Clinical Trials ETF	Health Care	North America	0.79%	6.87	7.58	59.70	
4	PJP	Invesco Dynamic Pharmaceuticals ETF	Health Care	North America	0.57%	5.15	6.59	56.80	
5	<u>ORG</u>	The Organics ETF	Health Care	Global	0.35%	5.35	6.78	54.70	
1	JETS	U.S. Global Jets ETF	Industrials	Global	0.60%	6.81	7.01	60.40	
2	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70%	7.53	6.83	59.10	
3	<u>XTN</u>	SPDR S&P Transportation ETF	Industrials	North America	0.35%	5.05	6.35	58.70	

4	AIRR	First Trust RBA American Industrial Renaissance ETF	Industrials	North America	0.70%	5.49	6.32	56.10
5	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.47	5.91	56.00
1	GNR	SPDR S&P Global Natural Resources ETF	Natural Resources	Global	0.40%	5.83	6.98	60.40
2	<u>GRES</u>	IQ Global Resources ETF	Natural Resources	Global	0.78%	4.94	7.31	60.00
3	IGE	iShares North American Natural Resources ETF	Natural Resources	Global	0.47%	5.21	6.74	59.80
4	GUNR	FlexShares Global Upstream Natural Resources Index Fund	Natural Resources	Global	0.46%	4.95	6.65	58.20
5	WOOD	iShares Global Timber & Forestry ETF	Natural Resources	Global	0.47%	6.61	6.21	54.70
1	IFLY	ETFMG Drone Economy Strategy ETF	Technology	Global	0.75%	7.32	7.83	59.50
2	FONE	First Trust Nasdaq Smartphone Index Fund	Technology	Global	0.70%	6.54	6.70	55.60
3	FNG	AdvisorShares New Tech and Media ETF	Technology	North America	0.85%	4.63	6.46	53.40
4	XWEB	SPDR S&P Internet ETF	Technology	North America	0.35%	6.02	6.09	52.70
5	<u>XTH</u>	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.02	6.17	52.60
1	<u>XTL</u>	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.56	6.61	54.80
2	EWCO	Invesco S&P 500 Equal Weight Communication Services ETF	Telecommunications	North America	0.40%	5.31	6.50	54.00
3	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	2.98	5.49	48.30
4	<u>XLC</u>	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.13%	3.83	4.38	42.60
5	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	2.63	3.55	35.70
1	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	3.10	7.15	61.10
2	<u>JHMU</u>	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	5.18	6.19	53.70
3	<u>PUI</u>	Invesco DWA Utilities Momentum ETF	Utilities	North America	0.60%	4.61	5.46	52.10
4	RYU	Invesco S&P 500 Equal Weight Utilities ETF	Utilities	North America	0.40%	5.42	4.73	48.60
5	<u>FXU</u>	First Trust Utilities AlphaDEX Fund	Utilities	North America	0.62%	4.25	4.67	47.30

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E	Equity ETF Select List - Geography					FG	lob	
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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1		iShares MSCI Thailand ETF	Asia-Pacific	Broad Equity	0.59%	5.93	8.92	70.10
2	DVYA	iShares Asia/Pacific Dividend ETF	Asia-Pacific	High Dividend Yield	0.49%	5.97	8.41	66.90
3			Asia-Pacific	Broad Equity	0.59%	5.33	8.27	64.30
4	SCIN		Asia-Pacific	Small Cap	0.77%	5.01	8.01	62.60
	DFJ		Asia-Pacific	Small Cap	0.58%	4.87	6.94	59.10
1	FEU	SPDR STOXX Europe 50 ETF	Europe	Large Cap	0.29%	6.10	7.02	57.70
2	FDD		Europe	High Dividend Yield	0.60%	5.55	6.73	57.10
3	DFE		Europe	Small Cap	0.58%	4.44	5.93	56.80
4	TUR		Europe	Broad Equity	0.59%	7.48	6.48	55.50
5	EWO	iShares MSCI Austria ETF	Europe	Broad Equity	0.47%	5.89	6.62	55.30
1	FRAK	VanEck Vectors Unconventional Oil & Gas ETF	Global	Energy	0.54%	6.53	9.09	72.70
2	IXC	iShares Global Energy ETF		Energy	0.47%	6.24	8.63	71.80
3	OIH	VanEck Vectors Oil Service ETF		Energy	0.35%	5.82	8.73	71.40
4	FILL	iShares MSCI Global Energy Producers ETF	Global	Energy	0.39%	5.39	8.98	71.10
5	<u>FGD</u>	First Trust DJ Global Select Dividend Index Fund	Global	High Dividend Yield	0.58%	6.53	8.74	69.40
1	MOTI	VanEck Vectors Morningstar International Moat ETF	Global Ex-U.S.	Broad Equity	0.56%	5.84	7.07	58.10
2	FNDF	Schwab Fundamental International Large Company Index	Global Ex-U.S.	Large Cap	0.25%	3.86	6.47	56.00
3	ICOW	Pacer Developed Markets International Cash Cows 100 ETF	Global Ex-U.S.	Broad Equity	0.65%	5.87	6.76	55.80
4		Invesco S&P International Developed High Dividend Low Volatility ET	Global Ex-U.S.	High Dividend Yield	0.30%	4.69	6.40	54.80
5	<u>FID</u>	First Trust S&P International Dividend Aristocrats ETF	Global Ex-U.S.	Broad Equity	0.60%	4.96	6.03	52.40
1	<u>ECH</u>	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	6.07	8.37	68.20
2	<u>EPU</u>	iShares MSCI Peru ETF	Latin America	Broad Equity	0.59%	6.35	7.98	62.50
3	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.52	6.66	57.80
4	GXG	Global X MSCI Colombia ETF	Latin America	Broad Equity	0.61%	5.70	6.69	55.40
5	<u>ILF</u>	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	6.52	6.05	54.20
1	<u>EZA</u>	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.54	6.70	55.80
			Middle East & Africa	Broad Equity	0.84%	6.37	6.55	52.40
	UAE	· ·	Middle East & Africa	Broad Equity	0.59%	4.48	6.32	51.90
4	GULF		Middle East & Africa	Broad Equity	0.88%	4.76	5.67	49.40
5	<u>NGE</u>	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.88%	7.32	5.52	46.00
1	<u>PXI</u>	Invesco DWA Energy Momentum ETF	North America	Energy	0.60%	5.67	10.00	81.20
2	<u>PXE</u>	Invesco Dynamic Energy Exploration & Production ETF	North America	Energy	0.65%	5.71	9.17	76.40

3	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	North America	Energy	0.35%	5.14	8.90	74.90
4	<u>PXJ</u>	Invesco Dynamic Oil & Gas Services ETF	North America	Energy	0.63%	4.97	8.85	74.30
5	FCG	First Trust Natural Gas ETF	North America	Energy	0.60%	6.25	8.90	73.30
1	DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	Emerging Markets	Small Cap	0.63%	5.04	7.29	59.70
2	SDEM	Global X MSCI SuperDividend Emerging Markets ETF	Emerging Markets	High Dividend Yield	0.66%	6.11	7.13	57.90
3	EMMF	WisdomTree Emerging Markets Multifactor Fund	Emerging Markets	Broad Equity	0.48%	4.11	6.99	55.90
4	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	7.33	6.44	55.80
5	<u>DVYE</u>	iShares Emerging Markets Dividend ETF	Emerging Markets	High Dividend Yield	0.49%	5.58	6.37	54.90
1	<u>GCOW</u>	Pacer Global Cash Cows Dividend ETF	Developed Markets	High Dividend Yield	0.60%	5.83	7.29	59.20
2	IPFF	iShares International Preferred Stock ETF	Developed Markets	Preferred Stock	0.55%	4.00	6.76	56.80
3	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	5.01	7.04	55.90
4	ISDS	Invesco Strategic Developed ex-US Small Company ETF	Developed Markets	Small Cap	0.35%	4.09	6.71	55.00
5	<u>PID</u>	Invesco International Dividend Achievers ETF	Developed Markets	High Dividend Yield	0.55%	5.37	6.10	53.20

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E	Equity ETF Select List - Strategies				ET	FC	olo	
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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	4.99	8.13	64.30
2	CSD	Invesco S&P Spin-Off ETF	Alpha-Seeking	North America	0.64%	4.67	6.90	61.80
3	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return Ir	Alpha-Seeking	North America	0.75%	4.92	7.67	60.40
4	RYJ	Invesco Raymond James SB-1 Equity ETF	Alpha-Seeking	North America	0.75%	5.85	6.32	54.60
5	<u>BUY</u>	USCF SummerHaven SHPEI Index Fund	Alpha-Seeking	North America	0.95%	6.15	6.70	54.40
1	THD	iShares MSCI Thailand ETF	Broad Equity	Asia-Pacific	0.59%	5.93	8.92	70.10
2	ECH	iShares MSCI Chile ETF	Broad Equity	Latin America	0.59%	6.07	8.37	68.20
3	ACIM	SPDR MSCI ACWI IMI ETF US	Broad Equity	Global	0.25%	6.73	8.49	66.40
4	EPHE	iShares MSCI Philippines ETF	Broad Equity	Asia-Pacific	0.59%	5.33	8.27	64.30
5	<u>EPU</u>	iShares MSCI Peru ETF	Broad Equity	Latin America	0.59%	6.35	7.98	62.50
1	FGD	First Trust DJ Global Select Dividend Index Fund	High Dividend Yield	Global	0.58%	6.53	8.74	69.40
2	DVYA	iShares Asia/Pacific Dividend ETF	High Dividend Yield	Asia-Pacific	0.49%	5.97	8.41	66.90
3	SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	High Dividend Yield	North America	0.30%	4.70	7.56	64.70
4	PEY	Invesco High Yield Equity Dividend Achievers ETF	High Dividend Yield	North America	0.54%	4.53	6.82	60.00
5	<u>DVY</u>	iShares Select Dividend ETF	High Dividend Yield	North America	0.39%	5.54	6.80	59.80
1	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	6.13	7.64	61.10
2	MRGR	ProShares Merger ETF	Long/Short	Global	0.75%	3.31	6.67	55.10
3	QMN	IQ Hedge Market Neutral Tracker ETF	Long/Short	Global	1.01%	2.78	6.94	54.90
4	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	2.06	6.19	53.30
5	<u>JPLS</u>	JPMorgan Long/Short ETF	Long/Short	Developed Markets	0.69%	3.04	6.20	52.30
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.66	7.23	59.90
2	FPE	First Trust Preferred Securities and Income ETF	Preferred Stock	Global	0.85%	2.86	6.98	58.00
3	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	4.00	6.76	56.80
4	PGF	Invesco Financial Preferred ETF	Preferred Stock	North America	0.63%	2.41	6.43	56.00
5	<u>PSK</u>	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.20	6.24	54.70
1	<u>XKCP</u>	SPDR Kensho Clean Power ETF	Theme	North America	0.45%	6.65	8.45	66.20
2	WIL	Barclays Women in Leadership ETN	Theme	North America	0.45%	7.40	7.75	59.70
3	ROBO	Robo-Stox Global Robotics & Automation Index ETF	Theme	Global	0.95%	5.86	6.69	57.00
4	HFGIC	Hartford Global Impact Nextshares Fund	Theme	Global	0.71%	4.76	7.13	56.50
5	<u>EMIF</u>	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	7.33	6.44	55.80
1	<u>SPHB</u>	Invesco S&P 500 High Beta ETF	Large Cap	North America	0.25%	5.21	7.91	66.10
2	<u>OMFL</u>	Oppenheimer Russell 1000 Dynamic Multifactor ETF	Large Cap	North America	0.29%	5.20	7.81	63.50

3	FLAG	Forensic Accounting Long-Short ETF	Large Cap	North America	1.15%	6.76	8.09	62.80
4	PVAL	Principal Contrarian Value Index ETF	Large Cap	North America	0.29%	5.34	8.20	62.70
5	<u>SDOG</u>	ALPS Sector Dividend Dogs ETF	Large Cap	North America	0.40%	5.83	7.32	62.00
1	PXMV	Invesco Russell MidCap Pure Value ETF	Mid Cap	North America	0.39%	5.51	8.17	64.50
2	RFV	Invesco S&P MidCap 400 Pure Value ETF	Mid Cap	North America	0.35%	5.76	7.77	63.00
3	F <u>NK</u>	First Trust Mid Cap Value AlphaDEX Fund	Mid Cap	North America	0.70%	5.88	7.01	58.40
4	EZM	WisdomTree U.S. MidCap Earnings Fund	Mid Cap	North America	0.38%	5.37	6.91	58.20
5	<u>REGL</u>	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	5.49	6.26	56.40
1	<u>WN</u>	iShares Russell 2000 Value ETF	Small Cap	North America	0.24%	5.15	8.53	68.60
2	<u>JR</u>	iShares Core S&P Small-Cap ETF	Small Cap	North America	0.07%	4.55	7.71	64.50
3	WM	iShares Russell 2000 ETF	Small Cap	North America	0.19%	4.39	7.79	64.50
4	RZV	Invesco S&P SmallCap 600 Pure Value ETF	Small Cap	North America	0.35%	5.94	7.74	62.70
5	<u>RWJ</u>	Oppenheimer S&P SmallCap 600 Revenue ETF	Small Cap	North America	0.39%	5.54	7.93	62.70
1	WC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.50	8.81	68.70
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.80	8.09	64.80
3	DWMC	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	0.99%	6.43	7.34	58.20

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*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. \blacklozenge \blacklozenge \blacklozenge \blacklozenge \blacklozenge \blacklozenge \blacklozenge

*About the ETFG[®] Quant Model: The universe of equity ETFs reviewed by ETFG[™] Quant represents the broadest range of industry groups, sectors and geographic regions. The ETFG[™] 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. ETFG[™] 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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