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	FC	lob	
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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	PSCM	Invesco S&P SmallCap Materials ETF	Basic Materials	North America	0.29%	5.62	8.05	66.30
2	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	5.73	7.02	64.50
3	FXZ	First Trust Materials AlphaDEX Fund	Basic Materials	North America	0.64%	5.60	7.28	64.20
4	<u>COPX</u>	Global X Copper Miners ETF	Basic Materials	Global	0.65%	8.17	7.19	62.40
5	<u>PYZ</u>	Invesco DWA Basic Materials Momentum ETF	Basic Materials	North America	0.60%	5.79	6.57	60.90
1	<u>XRT</u>	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	4.91	9.45	75.50
2	PSCD	Invesco S&P SmallCap Consumer Discretionary ETF	Consumer Discretionary	North America	0.29%	5.36	9.22	70.40
3	<u>XHB</u>	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	2.74	6.56	66.20
4	RCD	Invesco S&P 500 Equal Weight Consumer Discretionary ETF	Consumer Discretionary	North America	0.40%	5.88	7.32	63.40
5	<u>FXD</u>	First Trust Consumer Discretionary AlphaDEX Fund	Consumer Discretionary	North America	0.64%	5.28	6.70	60.20
1	FTXG	First Trust Nasdaq Food & Beverage ETF	Consumer Staples	North America	0.60%	4.50	6.19	58.00
2	FSTA	Fidelity MSCI Consumer Staples Index ETF	Consumer Staples	North America	0.08%	2.00	5.45	55.30
3	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.40%	3.89	5.70	55.30
4	RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	Consumer Staples	North America	0.40%	4.64	4.81	55.00
5	IECS	iShares Evolved U.S. Consumer Staples ETF	Consumer Staples	North America	0.18%	3.01	5.57	54.70
1	<u>PXE</u>	Invesco Dynamic Energy Exploration & Production ETF	Energy	North America	0.65%	5.39	9.89	81.00
2	AMLP	Alerian MLP ETF	Energy	North America	0.85%	4.77	9.96	79.90
3	PXJ	Invesco Dynamic Oil & Gas Services ETF	Energy	North America	0.63%	3.93	9.27	79.60
4	FRAK	VanEck Vectors Unconventional Oil & Gas ETF	Energy	Global	0.54%	6.33	10.00	78.10
5	<u>OIH</u>	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	5.84	9.78	77.90
1	KBWD	Invesco KBW High Dividend Yield Financial ETF	Financials	North America	2.42%	5.93	9.54	74.10
2	KBWR	Invesco KBW Regional Banking ETF	Financials	North America	0.35%	6.88	9.62	73.80
3	QABA	First Trust NASDAQ ABA Community Bank Index Fund	Financials	North America	0.60%	6.40	9.36	71.90
4	KBWB	Invesco KBW Bank ETF	Financials	North America	0.35%	5.66	8.92	71.90
5	<u>IAT</u>	iShares US Regional Banks ETF	Financials	North America	0.43%	5.55	8.82	70.10
	<u>XBI</u>	SPDR S&P Biotech ETF	Health Care	North America	0.35%		7.77	66.90
2		Loncar Cancer Immunotherapy ETF	Health Care	North America	0.79%	6.58	7.50	62.80
3	<u>IBB</u>	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	4.38	6.26	58.10
4	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	5.32	5.96	56.90
5	<u>PPH</u>	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	4.52	5.61	55.60
1	<u>XTN</u>	SPDR S&P Transportation ETF	Industrials	North America	0.35%	5.05	8.02	70.50
	<u>JETS</u>	U.S. Global Jets ETF	Industrials	Global	0.60%	6.52	7.56	65.80
3	ΙΥΤ	iShares Transportation Average ETF	Industrials	North America	0.43%	5.55	6.60	63.50

4	AIRR	First Trust RBA American Industrial Renaissance ETF	Industrials	North America	0.70%	5.69	6.99	63.10
5	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70%	6.80	6.87	62.70
1	IGE	iShares North American Natural Resources ETF	Natural Resources	Global	0.47%	4.87	7.91	68.80
2	GRES	IQ Global Resources ETF	Natural Resources	Global	0.78%	4.62	7.52	63.50
3	<u>TBLU</u>	Tortoise Water Fund	Natural Resources	North America	0.40%	5.12	7.43	61.80
4	GUNR	FlexShares Global Upstream Natural Resources Index Fund	Natural Resources	Global	0.46%	4.45	6.60	60.90
5	<u>GNR</u>	SPDR S&P Global Natural Resources ETF	Natural Resources	Global	0.40%	5.15	6.34	60.00
1	DTEC	ALPS Disruptive Technologies ETF	Technology	Global	0.50%	5.52	7.31	62.80
2	FONE	First Trust Nasdaq Smartphone Index Fund	Technology	Global	0.70%	6.75	6.72	58.90
3	IFLY	ETFMG Drone Economy Strategy ETF	Technology	Global	0.75%	7.59	6.93	57.20
4	<u>SKYY</u>	First Trust Cloud Computing ETF	Technology	Global	0.60%	5.02	5.98	56.10
5	<u>XTH</u>	SPDR S&P Technology Hardware ETF	Technology	North America	0.35%	6.57	6.18	55.90
1	<u>XLC</u>	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.13%	4.31	6.19	57.10
2	EWCO	Invesco S&P 500 Equal Weight Communication Services ETF	Telecommunications	North America	0.40%	5.24	6.15	55.80
3	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	3.16	5.71	52.70
4	<u>XTL</u>	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.88	5.00	50.20
5	<u>IYZ</u>	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	3.14	4.36	47.20
1	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	5.30	7.28	63.00
2	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	3.46	6.03	58.20
3	<u>PUI</u>	Invesco DWA Utilities Momentum ETF	Utilities	North America	0.60%	3.97	5.25	56.40
4	<u>XLU</u>	Utilities Select Sector SPDR Fund	Utilities	North America	0.13%	3.93	4.60	53.10
5	<u>RYU</u>	Invesco S&P 500 Equal Weight Utilities ETF	Utilities	North America	0.40%	5.48	4.48	52.70

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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	THD	iShares MSCI Thailand ETF	Asia-Pacific	Broad Equity	0.59%	4.84	8.17	67.60
2	EWM	iShares MSCI Malaysia ETF	Asia-Pacific	Broad Equity	0.47%	4.35	7.49	65.30
3	EPHE	iShares MSCI Philippines ETF	Asia-Pacific	Broad Equity	0.59%	5.04	7.95	64.50
4	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.59%	4.20	7.43	64.20
5	<u>IDX</u>	VanEck Vectors Indonesia Index ETF	Asia-Pacific	Broad Equity	0.57%	5.99	7.79	63.70
1	EWO	iShares MSCI Austria ETF	Europe	Broad Equity	0.47%	5.31	7.45	62.90
2	EWGS	iShares MSCI Germany Small-Cap ETF	Europe	Small Cap	0.59%	5.45	7.31	61.90
3	EIRL	iShares MSCI Ireland ETF	Europe	Broad Equity	0.47%	4.99	7.39	61.80
4	<u>HEWL</u>	iShares Currency Hedged MSCI Switzerland ETF	Europe	Large Cap	0.50%	4.62	6.97	61.50
5	<u>HEWG</u>	iShares Currency Hedged MSCI Germany ETF	Europe	Broad Equity	0.53%	4.45	6.68	60.90
1	FRAK	VanEck Vectors Unconventional Oil & Gas ETF	Global	Energy	0.54%	6.33	10.00	78.10
2	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	5.84	9.78	77.90
3	KOL	VanEck Vectors Coal ETF	Global	Energy	0.60%	6.84	8.43	70.00
4	IGE	iShares North American Natural Resources ETF	Global	Natural Resources	0.47%	4.87	7.91	68.80
5	<u>PFXF</u>	VanEck Vectors Preferred Securities ex Financials ETF	Global	Preferred Stock	0.41%	3.18	8.36	68.30
1	IQLT	iShares Edge MSCI Intl Quality Factor ETF	Global Ex-U.S.	Broad Equity	0.30%	2.33	6.40	59.40
2	RODM	Hartford Multifactor Developed Markets (ex-US) ETF	Global Ex-U.S.	Broad Equity	0.29%	4.17	6.70	59.20
3	GSIE	Goldman Sachs ActiveBeta International Equity ETF	Global Ex-U.S.	Broad Equity	0.25%	3.14	6.35	58.60
4	MOTI	VanEck Vectors Morningstar International Moat ETF	Global Ex-U.S.	Broad Equity	0.56%	5.73	6.49	58.40
5	<u>VIDI</u>	Vident International Equity Fund	Global Ex-U.S.	Broad Equity	0.61%	5.43	6.47	58.00
1	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	6.24	8.36	69.70
2	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.37	8.03	67.70
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	6.49	7.79	66.50
4	ARGT	Global X MSCI Argentina ETF	Latin America	Broad Equity	0.59%	7.22	8.47	65.90
5	<u>EWZ</u>	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.59%	6.65	7.22	63.10
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.82	7.09	60.80
2	<u>AFK</u>	VanEck Vectors Africa Index ETF	Middle East & Africa	Broad Equity	0.84%	6.20	7.03	58.30
3	UAE	iShares MSCI UAE Capped ETF	Middle East & Africa	Broad Equity	0.59%	4.07	5.76	52.70
4	GULF	WisdomTree Middle East Dividend Fund	Middle East & Africa	Broad Equity	0.88%	5.15	5.49	52.10
5	<u>ISRA</u>	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.59%	4.76	5.73	51.20
1	PXE	Invesco Dynamic Energy Exploration & Production ETF	North America	Energy	0.65%	5.39	9.89	81.00
2	AMLP	Alerian MLP ETF	North America	Energy	0.85%	4.77	9.96	79.90

3	PXJ	Invesco Dynamic Oil & Gas Services ETF	North America	Energy	0.63%	3.93	9.27	79.60
4	XOP	SPDR S&P Oil & Gas Exploration & Production ETF	North America	Energy	0.35%	4.94	8.98	76.60
5	<u>IEO</u>	iShares U.S. Oil & Gas Exploration & Production ETF	North America	Energy	0.43%	5.52	9.18	76.00
1	<u>ICOL</u>	iShares MSCI Colombia Capped ETF	Emerging Markets	Broad Equity	0.61%	5.16	7.36	62.70
2	DVYE	iShares Emerging Markets Dividend ETF	Emerging Markets	High Dividend Yield	0.49%	5.34	7.20	62.60
3	CEZ	VictoryShares Emerging Market Volatility Wtd ETF	Emerging Markets	Large Cap	0.50%	5.60	7.39	61.60
4	EDIV	SPDR S&P Emerging Markets Dividend ETF	Emerging Markets	High Dividend Yield	0.49%	5.36	6.99	60.30
5	<u>ISEM</u>	Invesco Strategic Emerging Markets ETF	Emerging Markets	Large Cap	0.35%	5.85	6.77	58.30
1	PID	Invesco International Dividend Achievers ETF	Developed Markets	High Dividend Yield	0.55%	5.15	7.64	64.80
2	IDLV	Invesco S&P International Developed Low Volatility ETF	Developed Markets	Broad Equity	0.25%	3.16	6.00	59.00
3	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	3.42	6.27	58.50
4	IPFF	iShares International Preferred Stock ETF	Developed Markets	Preferred Stock	0.55%	4.81	6.24	57.60
5	<u>GWX</u>	SPDR S&P International Small Cap ETF	Developed Markets	Small Cap	0.40%	4.87	6.13	57.20

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	Equ i	ity ETF Select List - Strate	egies		ET	FC	olo	
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	Ticker	Name	Focus	Region	TER	Risk*		Quant*
1	RYJ	Invesco Raymond James SB-1 Equity ETF	Alpha-Seeking	North America	0.75%	5.62	7.85	66.70
2	CSD	Invesco S&P Spin-Off ETF	Alpha-Seeking	North America	0.64%	4.51	6.91	66.30
3	WMW	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return Ir	Alpha-Seeking	North America	0.75%	5.41	8.33	65.80
4	BUY	USCF SummerHaven SHPEI Index Fund	Alpha-Seeking	North America	0.95%	6.96	6.92	60.20
5	SYLD	Cambria Shareholder Yield ETF	Alpha-Seeking	Global	0.59%	6.73	6.78	59.30
1	FAB	First Trust Multi Cap Value AlphaDEX Fund	Broad Equity	North America	0.70%	6.37	8.85	70.10
2	ECH	iShares MSCI Chile ETF	Broad Equity	Latin America	0.59%	6.24	8.36	69.70
3	FCAN	First Trust Canada AlphaDEX Fund	Broad Equity	North America	0.80%	5.88	8.28	68.20
4	EWW	iShares MSCI Mexico ETF	Broad Equity	Latin America	0.47%	5.37	8.03	67.70
5	<u>THD</u>	iShares MSCI Thailand ETF	Broad Equity	Asia-Pacific	0.59%	4.84	8.17	67.60
1	<u>SPHD</u>	Invesco S&P 500 High Dividend Low Volatility ETF	High Dividend Yield	North America	0.30%	4.04	8.75	73.50
2	PID	Invesco International Dividend Achievers ETF	High Dividend Yield	Developed Markets	0.55%	5.15	7.64	64.80
3	SCHD	Schwab US Dividend Equity ETF	High Dividend Yield	North America	0.07%	3.06	7.33	64.10
4	DVYE	iShares Emerging Markets Dividend ETF	High Dividend Yield	Emerging Markets	0.49%	5.34	7.20	62.60
5	DGRO	iShares Core Dividend Growth ETF	High Dividend Yield	North America	0.08%	2.18	7.09	62.50
1	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	2.64	7.98	64.10
2	JPLS	JPMorgan Long/Short ETF	Long/Short	Developed Markets	0.69%	3.38	6.41	56.40
3	QMN	IQ Hedge Market Neutral Tracker ETF	Long/Short	Global	1.01%	3.02	6.60	55.80
4	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	7.43	6.30	54.50
5	CHEP	AGFiQ US Market Neutral Value Fund	Long/Short	North America	0.75%	8.75	7.29	53.40
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	3.18	8.36	68.30
2	PGX	Invesco Preferred ETF	Preferred Stock	North America	0.51%	1.52	6.22	60.00
3	<u>PSK</u>	SPDR Wells Fargo Preferred Stock ETF	Preferred Stock	North America	0.45%	3.39	6.38	59.20
4	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	4.81	6.24	57.60
5	<u>SPFF</u>	Global X SuperIncome Preferred ETF	Preferred Stock	North America	0.58%	4.15	6.14	55.80
1	PEXL	Pacer US Export Leaders ETF	Theme	North America	0.60%	6.78	7.23	61.80
2	KOMP	SPDR Kensho New Economies Composite ETF	Theme	North America	0.20%	5.25	6.87	61.10
3	OBOR	KraneShares MSCI One Belt One Road ETF	Theme	Asia-Pacific	0.78%	5.72	7.23	60.20
4	KOIN	Innovation Shares NextGen Protocol ETF	Theme	Global	0.65%	5.43	7.29	59.80
5	<u>BOSS</u>	Global X Founder-Run Companies ETF	Theme	North America	0.65%	5.41	7.03	59.70
1	<u>SDOG</u>	ALPS Sector Dividend Dogs ETF	Large Cap	North America	0.40%	5.76	8.39	70.10
2	<u>SPHB</u>	Invesco S&P 500 High Beta ETF	Large Cap	North America	0.25%	5.24	8.12	69.00

3 FLAG	Forensic Accounting Long-Short ETF	Large Cap	North America	1.15%	7.28	8.53	66.80
4 <u>ILF</u>	iShares Latin America 40 ETF	Large Cap	Latin America	0.48%	6.49	7.79	66.50
5 PMOM	Principal Sustainable Momentum Index ETF	Large Cap	North America	0.29%	6.59	8.03	65.20
1 <u>RFV</u>	Invesco S&P MidCap 400 Pure Value ETF	Mid Cap	North America	0.35%	5.96	8.85	70.60
2 <u>FNK</u>	First Trust Mid Cap Value AlphaDEX Fund	Mid Cap	North America	0.70%	5.69	8.45	69.00
3 <u>IVOV</u>	Vanguard S&P Mid-Cap 400 Value ETF	Mid Cap	North America	0.20%	5.42	8.09	67.70
4 <u>EZM</u>	WisdomTree U.S. MidCap Earnings Fund	Mid Cap	North America	0.38%	5.25	8.14	67.60
5 <u>]]</u>	iShares S&P Mid-Cap 400 Value ETF	Mid Cap	North America	0.25%	5.55	7.62	66.00
1 <u>VIOO</u>	Vanguard S&P Small-Cap 600 ETF	Small Cap	North America	0.15%	5.11	9.58	74.90
2 <u>RWJ</u>	Oppenheimer S&P SmallCap 600 Revenue ETF	Small Cap	North America	0.39%	5.92	9.93	74.50
3 <u>IJR</u>	iShares Core S&P Small-Cap ETF	Small Cap	North America	0.07%	4.51	9.24	74.30
4 <u>IJS</u>	iShares S&P Small-Cap 600 Value ETF	Small Cap	North America	0.25%	5.48	9.28	73.90
5 <u>EES</u>	WisdomTree U.S. SmallCap Earnings Fund	Small Cap	North America	0.38%	5.30	9.53	73.90
1	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	5.64	8.56	68.90
2 <u>IWC</u>	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.94	8.58	68.50
3 <u>DWMC</u>	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	0.99%	6.73	5.29	50.60

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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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