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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

July 22, 2019

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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	GOEX	Global X Gold Explorers ETF	Basic Materials	Global	0.65%	7.18	7.74	62.30
2	GOAU	U.S. Global GO GOLD and Precious Metal Miners ETF	Basic Materials	Global	0.60%	6.67	7.47	60.20
3	SLVP	iShares MSCI Global Silver Miners ETF	Basic Materials	Global	0.39%	6.39	7.14	59.70
4	SGDM	Sprott Gold Miners ETF	Basic Materials	Global	0.57%	6.99	7.23	59.70
5	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	5.01	6.26	58.60
1	PMR	Invesco Dynamic Retail ETF	Consumer Discretionary	North America	0.63%	5.70	7.73	64.20
2	EMTY	ProShares Decline of the Retail Store ETF	Consumer Discretionary	North America	0.65%	5.96	7.20	60.80
3	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.18	6.65	59.90
4	XHB	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35%	3.86	6.18	57.70
5	IEME	iShares Evolved U.S. Media and Entertainment ETF	Consumer Discretionary	North America	0.18%	4.00	6.76	56.60
1	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.47%	6.01	9.57	77.00
2	FSTA	Fidelity MSCI Consumer Staples Index ETF	Consumer Staples	North America	0.08%	2.26	7.51	65.30
3	PSCC	Invesco S&P SmallCap Consumer Staples ETF	Consumer Staples	North America	0.29%	4.29	6.88	62.50
4	IECS	iShares Evolved U.S. Consumer Staples ETF	Consumer Staples	North America	0.18%	2.82	7.13	62.10
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.40%	4.06	6.68	60.00
1	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	5.99	8.85	72.70
2	PXJ	Invesco Dynamic Oil & Gas Services ETF	Energy	North America	0.63%	6.56	7.68	64.10
3	AMJ	JPMorgan Alerian MLP Index ETN	Energy	North America	0.85%	6.31	7.22	62.20
4	PSCE	Invesco S&P SmallCap Energy ETF	Energy	North America	0.29%	6.11	7.10	60.90
5	PXI	Invesco DWA Energy Momentum ETF	Energy	North America	0.60%	6.77	6.44	59.90
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.43	9.37	74.90
2	IEFN	iShares Evolved U.S. Financials ETF	Financials	North America	0.18%	4.61	7.41	61.30
3	JHMF	John Hancock Multifactor Financials ETF	Financials	North America	0.40%	4.35	7.06	59.40
4	FTXO	First Trust Nasdaq Bank ETF	Financials	North America	0.60%	4.90	6.50	58.20
5	DFNL	Davis Select Financial ETF	Financials	Global	0.64%	5.31	6.91	57.10
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.00	9.39	73.00
2	IXJ	iShares Global Healthcare ETF	Health Care	Global	0.47%	4.76	8.75	71.10
3	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	6.03	8.92	71.10
4	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.75	7.93	64.20
5	PPH	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	5.58	7.24	62.60
1	CARZ	First Trust NASDAQ Global Auto Index Fund	Industrials	Global	0.70%	5.29	7.95	63.90
2	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.40%	4.32	6.66	59.80
3	IYT	iShares Transportation Average ETF	Industrials	North America	0.43%	5.58	5.85	59.40

4	HAIL	SPDR S&P Kensho Smart Mobility ETF	Industrials	Global	0.46%	5.57	6.91	59.00
5	FTXR	First Trust Nasdaq Transportation ETF	Industrials	North America	0.60%	5.33	6.54	58.90
1	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	4.42	7.22	62.30
2	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	3.76	7.34	61.50
3	NFRQ	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.18	6.41	58.50
4	TBLU	Tortoise Water Fund	Natural Resources	North America	0.40%	5.46	6.81	57.50
5	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	3.74	6.16	57.40
1	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.96	7.54	64.70
2	FINX	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.82	7.73	62.90
3	ITEQ	BlueStar Israel Technology ETF	Technology	Middle East & Africa	0.75%	5.32	7.67	59.90
4	CIBR	First Trust Nasdaq Cybersecurity ETF	Technology	Global	0.60%	4.25	6.72	59.00
5	DTEC	ALPS Disruptive Technologies ETF	Technology	Global	0.50%	5.38	6.66	59.00
1	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	4.38	7.57	64.70
2	XLC	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.13%	4.98	7.26	61.90
3	XTL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.52	5.96	56.30
4	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	3.94	6.21	53.30
5	VOX	Vanguard Communication Services ETF	Telecommunications	North America	0.10%	4.99	5.69	51.90
1	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	4.39	7.04	61.40
2	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.84	6.52	59.80
3	UTES	Virtus Reaves Utilities ETF	Utilities	North America	0.49%	5.53	6.60	56.40
4	XLU	Utilities Select Sector SPDR Fund	Utilities	North America	0.13%	3.58	4.75	52.20
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	5.01	4.78	50.70

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Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.59%	4.44	8.35	70.50
2	FNI	First Trust Chindia ETF	Asia-Pacific	Broad Equity	0.59%	5.16	8.80	67.60
3	EWT	iShares MSCI Taiwan ETF	Asia-Pacific	Broad Equity	0.59%	4.20	7.82	67.50
4	EWM	iShares MSCI Malaysia ETF	Asia-Pacific	Broad Equity	0.47%	4.06	7.44	65.20
5	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74%	4.44	7.67	64.10
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.59%	6.93	9.36	73.90
2	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.47%	2.66	7.05	62.50
3	EWD	iShares MSCI Sweden ETF	Europe	Broad Equity	0.53%	4.70	7.20	62.30
4	FLSW	Franklin FTSE Switzerland ETF	Europe	Broad Equity	0.09%	4.19	7.46	61.70
5	EWP	iShares MSCI Spain ETF	Europe	Broad Equity	0.47%	4.54	7.06	61.50
1	KXI	iShares Global Consumer Staples ETF	Global	Consumer Staples	0.47%	6.01	9.57	77.00
2	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	5.99	8.85	72.70
3	IXJ	iShares Global Healthcare ETF	Global	Health Care	0.47%	4.76	8.75	71.10
4	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	6.03	8.92	71.10
5	IOO	iShares Global 100 ETF	Global	Large Cap	0.40%	5.08	7.63	65.50
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.88%	7.05	10.00	75.00
2	FID	First Trust S&P International Dividend Aristocrats ETF	Global Ex-U.S.	Broad Equity	0.60%	4.12	6.96	60.40
3	FPXI	First Trust International Equity Opportunities ETF	Global Ex-U.S.	Alpha-Seeking	0.70%	5.33	7.79	59.50
4	IGRO	iShares International Dividend Growth ETF	Global Ex-U.S.	Broad Equity	0.22%	3.51	6.88	59.50
5	IDHD	Invesco S&P International Developed High Dividend Low Volatility ET	Global Ex-U.S.	High Dividend Yield	0.30%	3.80	6.77	59.10
1	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	4.70	7.68	66.60
2	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.30	7.37	63.30
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	5.44	7.01	61.20
4	AGT	iShares MSCI Argentina and Global Exposure ETF	Latin America	Broad Equity	0.59%	5.78	6.70	57.90
5	EWZ	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.59%	5.81	6.36	57.80
1	UAE	iShares MSCI UAE Capped ETF	Middle East & Africa	Broad Equity	0.59%	5.71	7.65	61.00
2	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.32	7.67	59.90
3	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.18	6.80	58.80
4	QAT	iShares MSCI Qatar Capped ETF	Middle East & Africa	Broad Equity	0.59%	5.48	6.49	55.80
5	IZRL	ARK Israel Innovative Technology ETF	Middle East & Africa	Technology	0.49%	6.21	6.87	55.20
1	IWR	iShares Russell Mid-Cap ETF	North America	Mid Cap	0.20%	4.83	9.86	77.80
2	KIE	SPDR S&P Insurance ETF	North America	Financials	0.35%	6.43	9.37	74.90

3	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.00	9.39	73.00
4	SPYG	SPDR Portfolio S&P 500 Growth ETF	North America	Large Cap	0.04%	4.03	8.85	72.00
5	MDYV	SPDR S&P 400 Mid Cap Value ETF	North America	Mid Cap	0.15%	4.96	8.67	71.40
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	6.09	6.61	58.40
2	SCHE	Schwab Emerging Markets Equity ETF	Emerging Markets	Broad Equity	0.13%	3.14	6.38	58.30
3	CEY	VictoryShares Emerging Market High Div Volatility Wtd ETF	Emerging Markets	Large Cap	0.50%	4.57	6.76	58.30
4	ICOL	iShares MSCI Colombia Capped ETF	Emerging Markets	Broad Equity	0.61%	4.97	6.78	57.40
5	RFEM	First Trust RiverFront Dynamic Emerging Markets ETF	Emerging Markets	Broad Equity	0.95%	5.97	6.37	56.90
1	AIQ	Global X Future Analytics Tech ETF	Developed Markets	Theme	0.68%	5.87	7.37	61.50
2	IDV	iShares International Select Dividend ETF	Developed Markets	High Dividend Yield	0.50%	4.23	6.78	60.80
3	RFDI	First Trust RiverFront Dynamic Developed International ETF	Developed Markets	Broad Equity	0.83%	4.17	6.17	57.30
4	BFIT	Global X Health & Wellness Thematic ETF	Developed Markets	Theme	0.50%	3.78	6.76	57.30
5	EFA	iShares MSCI EAFE ETF	Developed Markets	Broad Equity	0.31%	3.28	5.96	57.00

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Equity ETF Select List - Strategies

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July 22, 2019

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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%	3.88	6.92	61.10
2	DBLV	AdvisorShares DoubleLine Value Equity ETF	Alpha-Seeking	North America	0.90%	6.00	7.05	59.70
3	FPXI	First Trust International Equity Opportunities ETF	Alpha-Seeking	Global Ex-U.S.	0.70%	5.33	7.79	59.50
4	DALI	First Trust DorseyWright DALI 1 ETF	Alpha-Seeking	Global	0.91%	6.59	7.04	57.70
5	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	6.61	6.82	57.50
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.88%	7.05	10.00	75.00
2	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.59%	6.93	9.36	73.90
3	EWY	iShares MSCI South Korea ETF	Broad Equity	Asia-Pacific	0.59%	4.44	8.35	70.50
4	FNI	First Trust Chindia ETF	Broad Equity	Asia-Pacific	0.59%	5.16	8.80	67.60
5	EWT	iShares MSCI Taiwan ETF	Broad Equity	Asia-Pacific	0.59%	4.20	7.82	67.50
1	IDV	iShares International Select Dividend ETF	High Dividend Yield	Developed Markets	0.50%	4.23	6.78	60.80
2	RDVY	First Trust NASDAQ Rising Dividend Achievers	High Dividend Yield	North America	0.50%	3.73	6.37	59.70
3	FGD	First Trust DJ Global Select Dividend Index Fund	High Dividend Yield	Global	0.58%	4.79	6.65	59.70
4	IDHD	Invesco S&P International Developed High Dividend Low Volatility ETF	High Dividend Yield	Global Ex-U.S.	0.30%	3.80	6.77	59.10
5	FDVV	Fidelity Core Dividend ETF	High Dividend Yield	Global	0.29%	2.80	6.55	58.70
1	CHEP	AGFiQ US Market Neutral Value Fund	Long/Short	North America	0.75%	7.39	7.64	58.60
2	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	5.52	5.99	54.30
3	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	4.22	5.74	53.80
4	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	7.35	6.02	49.90
5	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.78%	1.92	5.04	48.20
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.69	6.26	56.70
2	PFFD	Global X US Preferred ETF	Preferred Stock	North America	0.23%	2.61	6.87	54.70
3	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.46%	3.18	6.09	53.50
4	PGX	Invesco Preferred ETF	Preferred Stock	North America	0.52%	2.49	5.61	53.00
5	VRP	Invesco Variable Rate Preferred ETF	Preferred Stock	North America	0.50%	2.14	5.41	51.80
1	ARKW	ARK Web x.0 ETF	Theme	Global	0.75%	6.51	8.12	63.10
2	VETS	Pacer Military Times Best Employers ETF	Theme	Global	0.60%	5.75	7.33	62.80
3	SUSA	iShares MSCI USA ESG Select ETF	Theme	North America	0.25%	4.19	6.91	62.00
4	ACT	AdvisorShares Vice ETF	Theme	North America	0.75%	5.88	7.46	61.80
5	AIQ	Global X Future Analytics Tech ETF	Theme	Developed Markets	0.68%	5.87	7.37	61.50
1	SPYG	SPDR Portfolio S&P 500 Growth ETF	Large Cap	North America	0.04%	4.03	8.85	72.00
2	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	4.36	8.34	69.50

3	EPS	WisdomTree U.S. Earnings 500 Fund	Large Cap	North America	0.08%	4.53	8.57	69.40
4	SPYV	SPDR Portfolio S&P 500 Value ETF	Large Cap	North America	0.04%	4.43	7.70	66.30
5	IOO	iShares Global 100 ETF	Large Cap	Global	0.40%	5.08	7.63	65.50
1	IWR	iShares Russell Mid-Cap ETF	Mid Cap	North America	0.20%	4.83	9.86	77.80
2	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15%	4.96	8.67	71.40
3	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15%	4.87	8.29	69.00
4	DON	WisdomTree U.S. MidCap Dividend Fund	Mid Cap	North America	0.38%	5.29	6.71	60.30
5	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.47	6.86	59.10
1	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15%	5.03	8.31	69.50
2	SLY	SPDR S&P 600 Small CapETF	Small Cap	North America	0.15%	4.92	7.89	66.80
3	SLYG	SPDR S&P 600 Small Cap Growth ETF	Small Cap	North America	0.15%	4.82	7.41	64.10
4	RZV	Invesco S&P SmallCap 600 Pure Value ETF	Small Cap	North America	0.35%	5.15	7.13	61.90
5	DES	WisdomTree U.S. SmallCap Dividend Fund	Small Cap	North America	0.38%	5.29	7.03	61.10
1	DWMC	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	0.99%	7.47	7.35	58.80
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	4.43	4.98	49.00
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.05	3.06	38.00

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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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