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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.

continued on next page

Equity ETF Select List - Sectors



January 21, 2020

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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%	6.97	7.44	60.30
2	GDV	VanEck Vectors Gold Miners ETF	Basic Materials	Global	0.52%	5.99	6.22	58.50
3	XME	SPDR S&P Metals & Mining ETF	Basic Materials	North America	0.35%	6.17	6.02	58.00
4	BATT	Amplify Advanced Battery Metals & Materials ETF	Basic Materials	Global	0.72%	8.55	7.18	56.50
5	FMAT	Fidelity MSCI Materials Index ETF	Basic Materials	North America	0.08%	4.23	5.90	56.20
1	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	5.44	6.41	58.70
2	IBUY	Amplify Online Retail ETF	Consumer Discretionary	Global	0.65%	7.24	7.09	57.60
3	EMTY	ProShares Decline of the Retail Store ETF	Consumer Discretionary	North America	0.65%	6.02	5.99	56.20
4	IEME	iShares Evolved U.S. Media and Entertainment ETF	Consumer Discretionary	North America	0.18%	4.03	6.56	55.90
5	PMR	Invesco Dynamic Retail ETF	Consumer Discretionary	North America	0.63%	5.53	5.76	55.00
1	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.47%	5.80	9.19	73.90
2	CHIS	Global X MSCI China Consumer Staples ETF	Consumer Staples	Asia-Pacific	0.65%	6.57	7.31	62.40
3	FSTA	Fidelity MSCI Consumer Staples Index ETF	Consumer Staples	North America	0.08%	2.55	6.75	60.50
4	IECS	iShares Evolved U.S. Consumer Staples ETF	Consumer Staples	North America	0.18%	2.95	6.98	59.30
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.40%	3.99	6.62	58.40
1	OIH	VanEck Vectors Oil Service ETF	Energy	Global	0.35%	6.49	9.00	70.40
2	PSCE	Invesco S&P SmallCap Energy ETF	Energy	North America	0.29%	5.80	7.81	65.50
3	PXJ	Invesco Dynamic Oil & Gas Services ETF	Energy	North America	0.63%	6.74	7.44	63.00
4	MLPA	Global X MLP ETF	Energy	North America	0.45%	5.93	7.67	61.40
5	AMJ	JPMorgan Alerian MLP Index ETN	Energy	North America	0.85%	6.80	6.81	61.10
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35%	6.52	8.23	67.60
2	FNCL	Fidelity MSCI Financials Index ETF	Financials	North America	0.08%	3.39	6.14	57.60
3	DFNL	Davis Select Financial ETF	Financials	Global	0.64%	5.82	6.61	57.20
4	JHMF	John Hancock Multifactor Financials ETF	Financials	North America	0.40%	4.58	6.57	56.60
5	IEFN	iShares Evolved U.S. Financials ETF	Financials	North America	0.18%	3.58	6.37	55.50
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.74	9.70	72.00
2	IXJ	iShares Global Healthcare ETF	Health Care	Global	0.47%	4.95	8.72	70.00
3	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.72	8.43	66.40
4	CHIH	Global X MSCI China Health Care ETF	Health Care	Asia-Pacific	0.65%	6.95	7.86	64.60
5	BBH	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	6.66	7.76	63.90
1	CARZ	First Trust NASDAQ Global Auto Index Fund	Industrials	Global	0.70%	6.39	7.59	64.00
2	FIDU	Fidelity MSCI Industrials Index ETF	Industrials	North America	0.08%	3.73	6.48	59.10
3	FITE	SPDR S&P Kensho Future Security ETF	Industrials	Global	0.46%	5.91	6.42	59.00

4	JHMI	John Hancock Multifactor Industrials ETF	Industrials	North America	0.40%	4.66	6.48	57.90
5	HAIL	SPDR S&P Kensho Smart Mobility ETF	Industrials	Global	0.46%	6.25	6.01	55.50
1	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70%	4.39	6.64	59.20
2	NFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.25	6.27	58.40
3	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.46%	3.72	6.32	58.20
4	TBLU	Tortoise Water Fund	Natural Resources	North America	0.40%	5.39	6.71	57.60
5	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	4.84	5.39	53.10
1	CHIC	Global X MSCI China Communication Services ETF	Technology	Asia-Pacific	0.65%	6.91	7.95	65.20
2	FTXL	First Trust Nasdaq Semiconductor ETF	Technology	North America	0.60%	5.60	7.50	64.10
3	EBIZ	Global X E-Commerce ETF	Technology	Global	0.68%	6.77	7.51	63.10
4	DTEC	ALPS Disruptive Technologies ETF	Technology	Global	0.50%	5.47	7.03	62.90
5	CHIK	Global X MSCI China Information Technology ETF	Technology	Asia-Pacific	0.65%	7.40	7.47	62.90
1	XLC	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.13%	5.66	7.10	60.60
2	FCOM	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	4.20	6.44	59.00
3	EWCO	Invesco S&P 500 Equal Weight Communication Services ETF	Telecommunications	North America	0.40%	5.33	6.40	58.10
4	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.43%	3.56	6.04	57.00
5	IXP	iShares Global Telecom ETF	Telecommunications	Global	0.47%	5.92	5.02	50.30
1	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40%	4.55	7.57	63.10
2	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	3.15	7.14	62.50
3	CHIU	Global X MSCI China Utilities ETF	Utilities	Asia-Pacific	0.65%	5.50	7.35	62.00
4	UTES	Virtus Reaves Utilities ETF	Utilities	North America	0.49%	5.70	7.02	58.90
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.47%	4.90	4.58	51.20

continued on next page

Equity ETF Select List - Geography



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	Ticker	Name	Region	Focus	TER	Risk*	Reward*	Quant*
1	FNI	First Trust Chindia ETF	Asia-Pacific	Broad Equity	0.59%	5.80	10.00	76.10
2	EWM	iShares MSCI Malaysia ETF	Asia-Pacific	Broad Equity	0.47%	4.44	8.79	72.10
3	EWY	iShares MSCI South Korea ETF	Asia-Pacific	Broad Equity	0.59%	5.22	8.62	71.10
4	CHIC	Global X MSCI China Communication Services ETF	Asia-Pacific	Technology	0.65%	6.91	7.95	65.20
5	CHIH	Global X MSCI China Health Care ETF	Asia-Pacific	Health Care	0.65%	6.95	7.86	64.60
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.59%	7.58	9.18	71.70
2	EWU	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.47%	3.11	7.14	63.30
3	FPXE	First Trust IPOX Europe Equity Opportunities ETF	Europe	Broad Equity	0.70%	5.14	7.25	62.10
4	FEUZ	First Trust Eurozone AlphaDEX ETF	Europe	Broad Equity	0.80%	5.51	6.89	60.80
5	IEUR	iShares Core MSCI Europe ETF	Europe	Broad Equity	0.09%	2.72	6.69	60.10
1	KXI	iShares Global Consumer Staples ETF	Global	Consumer Staples	0.47%	5.80	9.19	73.90
2	OIH	VanEck Vectors Oil Service ETF	Global	Energy	0.35%	6.49	9.00	70.40
3	IOO	iShares Global 100 ETF	Global	Large Cap	0.40%	6.17	8.56	70.20
4	IXJ	iShares Global Healthcare ETF	Global	Health Care	0.47%	4.95	8.72	70.00
5	IRBO	iShares Robotics and Artificial Intelligence ETF	Global	Theme	0.47%	6.76	7.95	66.70
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.88%	7.14	9.98	74.10
2	FPXI	First Trust International Equity Opportunities ETF	Global Ex-U.S.	Alpha-Seeking	0.70%	4.81	7.67	64.70
3	FDNI	First Trust Dow Jones International Internet ETF	Global Ex-U.S.	Technology	0.65%	7.17	7.21	62.10
4	IQDY	FlexShares International Quality Dividend Dynamic Index Fund	Global Ex-U.S.	High Dividend Yield	0.47%	4.46	6.79	61.20
5	VIGI	Vanguard International Dividend Appreciation ETF	Global Ex-U.S.	Broad Equity	0.25%	3.63	7.31	61.00
1	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59%	6.36	8.24	68.00
2	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.47%	5.92	6.97	60.30
3	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.59%	5.70	6.65	58.70
4	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48%	6.60	6.07	56.80
5	PACA	Xtrackers MSCI Latin America Pacific Alliance ETF	Latin America	Broad Equity	0.45%	6.86	6.37	54.70
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.59%	6.69	6.86	60.00
2	QAT	iShares MSCI Qatar Capped ETF	Middle East & Africa	Broad Equity	0.59%	5.69	6.74	59.20
3	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	6.01	7.70	58.80
4	UAE	iShares MSCI UAE Capped ETF	Middle East & Africa	Broad Equity	0.59%	5.58	6.59	57.30
5	IZRL	ARK Israel Innovative Technology ETF	Middle East & Africa	Technology	0.49%	6.31	7.21	57.30
1	IWR	iShares Russell Mid-Cap ETF	North America	Mid Cap	0.20%	4.96	9.84	75.80
2	SPYG	SPDR Portfolio S&P 500 Growth ETF	North America	Large Cap	0.04%	5.30	9.68	74.00

3	IBB	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.74	9.70	72.00
4	MDYV	SPDR S&P 400 Mid Cap Value ETF	North America	Mid Cap	0.15%	4.77	8.75	70.90
5	MDYG	SPDR S&P 400 Mid CapGrowth ETF	North America	Mid Cap	0.15%	4.74	8.84	70.90
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	5.89	6.88	62.00
2	MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets Equity ETF	Emerging Markets	Broad Equity	0.49%	4.60	7.11	61.90
3	KGRN	KraneShares MSCI China Environment Index ETF	Emerging Markets	Theme	0.79%	7.08	7.17	60.50
4	KMED	KraneShares Emerging Markets Healthcare Index ETF	Emerging Markets	Health Care	0.79%	7.35	6.98	59.50
5	EMMF	WisdomTree Emerging Markets Multifactor Fund	Emerging Markets	Broad Equity	0.48%	4.99	6.44	58.70
1	AIQ	Global X Future Analytics Tech ETF	Developed Markets	Theme	0.68%	6.38	7.26	62.00
2	KLDW	Knowledge Leaders Developed World ETF	Developed Markets	Broad Equity	0.75%	4.54	6.87	59.00
3	IQIN	IQ 500 International ETF	Developed Markets	Broad Equity	0.25%	3.72	6.46	58.80
4	AIQ	AI Powered International Equity ETF	Developed Markets	Broad Equity	0.79%	5.67	6.94	58.70
5	ISDS	Invesco RAFI Strategic Developed ex-US Small Company ETF	Developed Markets	Small Cap	0.35%	6.73	7.21	58.60

continued on next page

Equity ETF Select List - Strategies



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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	FPXI	First Trust International Equity Opportunities ETF	Alpha-Seeking	Global Ex-U.S.	0.70%	4.81	7.67	64.70
2	FVL	First Trust Value Line 100 Exchange-Traded Fund	Alpha-Seeking	North America	0.70%	3.28	7.52	63.70
3	AUSF	Global X Adaptive US Factor ETF	Alpha-Seeking	North America	0.27%	3.78	7.06	61.30
4	IFV	First Trust Dorsey Wright International Focus 5 ETF	Alpha-Seeking	Global Ex-U.S.	1.03%	4.58	6.81	60.90
5	DWAQ	Invesco DWA NASDAQ Momentum ETF	Alpha-Seeking	North America	0.60%	6.58	6.47	58.20
1	FNI	First Trust Chindia ETF	Broad Equity	Asia-Pacific	0.59%	5.80	10.00	76.10
2	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.88%	7.14	9.98	74.10
3	EWM	iShares MSCI Malaysia ETF	Broad Equity	Asia-Pacific	0.47%	4.44	8.79	72.10
4	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.59%	7.58	9.18	71.70
5	EWY	iShares MSCI South Korea ETF	Broad Equity	Asia-Pacific	0.59%	5.22	8.62	71.10
1	FDRR	Fidelity Dividend ETF for Rising Rates	High Dividend Yield	Global	0.29%	2.43	7.19	63.00
2	FDVV	Fidelity Core Dividend ETF	High Dividend Yield	Global	0.29%	2.04	7.22	62.90
3	IQDY	FlexShares International Quality Dividend Dynamic Index Fund	High Dividend Yield	Global Ex-U.S.	0.47%	4.46	6.79	61.20
4	JDIV	JPMorgan U.S. Dividend ETF	High Dividend Yield	North America	0.12%	3.13	6.36	59.20
5	RDVY	First Trust NASDAQ Rising Dividend Achievers	High Dividend Yield	North America	0.50%	3.33	6.25	58.50
1	CHEP	AGFiQ US Market Neutral Value Fund	Long/Short	North America	1.12%	8.14	7.32	59.30
2	RWCD	Direxion MSCI Cyclical Over Defensives ETF	Long/Short	North America	0.45%	6.67	7.03	57.50
3	RWED	Direxion MSCI Emerging Over Developed Markets ETF	Long/Short	Emerging Markets	0.58%	8.14	7.25	57.10
4	RWDC	Direxion MSCI Defensives Over Cyclical ETF	Long/Short	North America	0.45%	5.43	6.73	56.60
5	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65%	6.56	6.03	56.50
1	PGX	Invesco Preferred ETF	Preferred Stock	North America	0.52%	2.90	6.43	56.00
2	PFXE	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.30	5.87	54.50
3	PFFD	Global X US Preferred ETF	Preferred Stock	North America	0.23%	2.92	6.43	54.30
4	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.46%	3.32	5.35	53.00
5	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	5.02	5.30	50.90
1	IRBO	iShares Robotics and Artificial Intelligence ETF	Theme	Global	0.47%	6.76	7.95	66.70
2	SDG	iShares MSCI Global Impact ETF	Theme	Global	0.49%	4.80	7.68	64.30
3	ARKW	ARK Web x.0 ETF	Theme	Global	0.75%	7.52	8.34	63.50
4	ONLN	ProShares Online Retail ETF	Theme	Global	0.58%	7.20	7.42	63.40
5	DRIV	Global X Autonomous & Electric Vehicles ETF	Theme	Global	0.68%	6.08	7.50	63.30
1	SPYG	SPDR Portfolio S&P 500 Growth ETF	Large Cap	North America	0.04%	5.30	9.68	74.00
2	EPS	WisdomTree U.S. Earnings 500 Fund	Large Cap	North America	0.08%	4.44	9.05	70.80

3	IOO	iShares Global 100 ETF	Large Cap	Global	0.40%	6.17	8.56	70.20
4	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	4.79	7.84	67.20
5	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.74%	5.83	7.69	64.10
1	IWR	iShares Russell Mid-Cap ETF	Mid Cap	North America	0.20%	4.96	9.84	75.80
2	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15%	4.77	8.75	70.90
3	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15%	4.74	8.84	70.90
4	DON	WisdomTree U.S. MidCap Dividend Fund	Mid Cap	North America	0.38%	5.35	8.44	68.10
5	NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	5.08	7.07	60.10
1	SLY	SPDR S&P 600 Small CapETF	Small Cap	North America	0.15%	4.68	8.59	69.70
2	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15%	4.91	8.41	68.80
3	CSML	IQ Chaikin U.S. Small Cap ETF	Small Cap	North America	0.35%	4.67	7.06	61.20
4	MFMS	Motley Fool Small-Cap Growth ETF	Small Cap	North America	0.85%	7.98	7.58	61.20
5	SLYG	SPDR S&P 600 Small Cap Growth ETF	Small Cap	North America	0.15%	4.87	6.62	60.30
1	DWMC	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	0.99%	6.27	6.47	57.50
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	4.52	3.28	43.60
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	4.89	2.78	40.30

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***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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