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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



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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	GDX	VanEck Gold Miners ETF	Basic Materials	Global	0.51	5.37	6.16	59.80
2	SLX	VanEck Steel ETF	Basic Materials	Global	0.56	6.61	6.13	59.10
3	BATT	Amplify Advanced Battery Metals & Materials ETF	Basic Materials	Global	0.59	5.72	6.86	59.00
4	FMAT	Fidelity MSCI Materials Index ETF	Basic Materials	North America	0.08	3.24	6.17	58.20
5	SIL	Global X Silver Miners ETF	Basic Materials	Global	0.65	6.93	6.05	57.40
1	IYC	iShares U.S. Consumer Discretionary ETF	Consumer Discretionary	North America	0.41	5.74	8.65	72.30
2	PEJ	Invesco Dynamic Leisure and Entertainment ETF	Consumer Discretionary	North America	0.55	5.59	7.51	67.00
3	ECON	Columbia Emerging Markets Consumer ETF	Consumer Discretionary	Emerging Markets	0.49	5.52	7.77	64.60
4	IEDI	iShares Evolved U.S. Discretionary Spending ETF	Consumer Discretionary	North America	0.18	3.53	5.92	55.10
5	XHB	SPDR S&P Homebuilders ETF	Consumer Discretionary	North America	0.35	2.20	4.42	54.70
1	KXI	iShares Global Consumer Staples ETF	Consumer Staples	Global	0.43	4.02	8.43	73.70
2	FTXG	First Trust Nasdaq Food & Beverage ETF	Consumer Staples	North America	0.60	2.60	5.74	58.20
3	IECS	iShares Evolved U.S. Consumer Staples ETF	Consumer Staples	North America	0.18	1.60	5.58	55.20
4	FSTA	Fidelity MSCI Consumer Staples Index ETF	Consumer Staples	North America	0.08	1.05	5.11	53.70
5	JHMS	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.40	2.80	5.28	53.70
1	PSCE	Invesco S&P SmallCap Energy ETF	Energy	North America	0.29	4.59	7.71	69.20
2	PXJ	Invesco Dynamic Oil & Gas Services ETF	Energy	North America	0.63	6.23	7.52	67.50
3	IEZ	iShares U.S. Oil Equipment & Services ETF	Energy	North America	0.41	5.77	7.06	65.20
4	ENFR	Alerian Energy Infrastructure ETF	Energy	North America	0.35	5.55	6.64	62.90
5	FTXN	First Trust Nasdaq Oil & Gas ETF	Energy	North America	0.60	4.67	6.37	62.30
1	KIE	SPDR S&P Insurance ETF	Financials	North America	0.35	5.49	8.77	74.80
2	KBWD	Invesco KBW High Dividend Yield Financial ETF	Financials	North America	1.24	5.89	7.95	68.40
3	EUFN	iShares MSCI Europe Financials ETF	Financials	Europe	0.48	5.37	6.76	61.60
4	BIZD	VanEck BDC Income ETF	Financials	North America	10.07	4.38	6.83	61.30
5	IYF	iShares US Financials ETF	Financials	North America	0.41	5.16	6.35	59.30
1	IHI	iShares U.S. Medical Devices ETF	Health Care	North America	0.41	5.05	9.71	79.20
2	IBB	iShares Biotechnology ETF	Health Care	North America	0.45	4.25	8.18	70.00
3	XPH	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35	4.17	7.35	65.70
4	PPH	VanEck Pharmaceutical ETF	Health Care	Global	0.35	3.66	6.52	61.60
5	CNCR	Loncar Cancer Immunotherapy ETF	Health Care	North America	0.79	7.86	6.76	59.80
1	ITA	iShares U.S. Aerospace & Defense ETF	Industrials	North America	0.42	5.25	7.28	68.10
2	IYJ	iShares U.S. Industrials ETF	Industrials	North America	0.41	5.46	7.04	65.00
3	FLM	First Trust Global Engineering and Construction ETF	Industrials	Global	0.70	6.60	6.66	62.60

4	FTXR	First Trust Nasdaq Transportation ETF	Industrials	North America	0.60	5.01	6.33	61.40
5	JETS	U.S. Global Jets ETF	Industrials	Global	0.60	6.27	6.32	60.30
1	PAVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47	3.66	6.88	64.60
2	FTRI	First Trust Indxx Global Natural Resources Income ETF	Natural Resources	Global	0.70	4.05	6.41	60.30
3	FTAG	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.70	4.67	6.29	58.40
4	NANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35	4.82	5.34	56.10
5	TOLZ	DJ Brookfield Global Infrastructure ETF	Natural Resources	Global	0.46	3.90	5.63	55.30
1	IXN	iShares Global Tech ETF	Technology	Global	0.43	6.08	8.05	68.10
2	IYW	iShares US Technology ETF	Technology	North America	0.41	5.34	7.73	66.20
3	XNTK	SPDR NYSE Technology ETF	Technology	North America	0.35	6.23	6.73	61.90
4	KWEB	KraneShares CSI China Internet ETF	Technology	Asia-Pacific	0.70	7.74	7.24	60.40
5	DTEC	ALPS Disruptive Technologies ETF	Technology	Global	0.50	6.25	6.20	57.90
1	IYZ	iShares US Telecommunications ETF	Telecommunications	North America	0.42	3.81	7.51	66.10
2	EWCO	Invesco S&P 500 Equal Weight Communication Services ETF	Telecommunications	North America	0.40	5.09	6.23	57.30
3	XLC	Communication Services Select Sector SPDR Fund	Telecommunications	North America	0.10	4.21	5.93	57.00
4	VOX	Vanguard Communication Services ETF	Telecommunications	North America	0.10	4.71	4.11	44.90
5	IXP	iShares Global Comm Services ETF	Telecommunications	Global	0.43	5.71	4.23	44.60
1	IDU	iShares US Utilities ETF	Utilities	North America	0.41	5.43	7.99	71.60
2	JHMU	John Hancock Multifactor Utilities ETF	Utilities	North America	0.40	4.77	5.62	55.40
3	UTES	Virtus Reaves Utilities ETF	Utilities	North America	0.49	6.20	5.60	53.30
4	FUTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08	2.67	4.57	50.80
5	JXI	iShares Global Utilities ETF	Utilities	Global	0.43	5.09	4.40	49.20

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	5.93	8.58	70.70
2	FXI	iShares China Large-Cap ETF	Asia-Pacific	Large Cap	0.74	5.92	8.57	70.10
3	DVYA	iShares Asia/Pacific Dividend ETF	Asia-Pacific	High Dividend Yield	0.49	5.17	7.92	68.60
4	EWM	iShares MSCI Malaysia ETF	Asia-Pacific	Broad Equity	0.50	3.45	7.54	67.50
5	PGJ	Invesco Golden Dragon China ETF	Asia-Pacific	Broad Equity	0.69	6.60	7.90	66.50
1	TUR	iShares MSCI Turkey ETF	Europe	Broad Equity	0.57	6.77	9.16	75.30
2	EWG	iShares MSCI Germany ETF	Europe	Broad Equity	0.50	4.68	7.68	68.00
3	EWP	iShares MSCI Spain ETF	Europe	Broad Equity	0.50	5.90	7.73	67.90
4	FEZ	SPDR EURO STOXX 50 ETF	Europe	Large Cap	0.29	5.03	7.11	65.30
5	EPOL	iShares MSCI Poland ETF	Europe	Broad Equity	0.57	7.17	7.52	65.10
1	SDIV	Global X SuperDividend ETF	Global	High Dividend Yield	0.59	5.55	7.72	66.60
2	FGD	First Trust DJ Global Select Dividend Index Fund	Global	High Dividend Yield	0.57	5.62	7.30	65.70
3	BLOK	Amplify Transformational Data Sharing ETF	Global	Broad Equity	0.71	7.63	7.57	62.90
4	IOO	iShares Global 100 ETF	Global	Large Cap	0.40	4.77	6.62	60.70
5	ESGG	FlexShares STOXX Global ESG Select Index Fund	Global	Theme	0.42	3.50	6.26	60.60
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	1.10	7.53	8.78	71.90
2	CWI	SPDR MSCI ACWI ex-US ETF	Global Ex-U.S.	Broad Equity	0.30	4.68	7.52	66.30
3	IQLT	iShares MSCI Intl Quality Factor ETF	Global Ex-U.S.	Broad Equity	0.30	2.40	6.47	61.00
4	QEFA	SPDR MSCI EAFE StrategicFactors ETF	Global Ex-U.S.	Broad Equity	0.30	3.98	6.60	60.70
5	DNL	WisdomTree Global ex U.S. Quality Dividend Growth Fund	Global Ex-U.S.	Broad Equity	0.42	6.29	6.81	60.40
1	ECH	iShares MSCI Chile ETF	Latin America	Broad Equity	0.59	6.37	10.00	82.40
2	EPU	iShares MSCI Peru ETF	Latin America	Broad Equity	0.57	6.93	8.72	71.80
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.48	5.98	8.00	70.30
4	EWZ	iShares MSCI Brazil ETF	Latin America	Broad Equity	0.57	6.18	7.63	67.80
5	EWW	iShares MSCI Mexico ETF	Latin America	Broad Equity	0.50	4.18	7.43	67.20
1	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.57	6.72	7.07	62.50
2	KSA	iShares MSCI Saudi Arabia Capped ETF	Middle East & Africa	Broad Equity	0.74	3.64	6.12	57.30
3	EGPT	VanEck Egypt Index ETF	Middle East & Africa	Broad Equity	0.98	7.52	6.42	57.00
4	EIS	iShares MSCI Israel ETF	Middle East & Africa	Broad Equity	0.59	5.41	6.20	55.80
5	AFK	VanEck Africa Index ETF	Middle East & Africa	Broad Equity	0.79	6.47	6.21	55.30
1	IJK	iShares S&P Mid-Cap 400 Growth ETF	North America	Mid Cap	0.17	5.74	9.82	81.20
2	IJS	iShares S&P Small-Cap 600 Value ETF	North America	Small Cap	0.18	5.15	9.77	81.00

3	IJJ	iShares S&P Mid-Cap 400 Value ETF	North America	Mid Cap	0.18	5.35	9.44	79.40
4	SCHA	Schwab US Small-Cap ETF	North America	Small Cap	0.04	4.68	9.51	78.60
5	IVW	iShares S&P 500 Growth ETF	North America	Large Cap	0.18	4.85	9.39	76.90
1	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.60	7.56	7.63	67.60
2	DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	Emerging Markets	Small Cap	0.58	4.67	6.74	61.40
3	EELV	Invesco S&P Emerging Markets Low Volatility ETF	Emerging Markets	Broad Equity	0.29	3.25	6.06	59.20
4	DVYE	iShares Emerging Markets Dividend ETF	Emerging Markets	High Dividend Yield	0.49	5.52	6.25	58.90
5	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.70	4.86	6.37	58.80
1	IDLV	Invesco S&P International Developed Low Volatility ETF	Developed Markets	Broad Equity	0.25	3.41	7.36	66.70
2	EFA	iShares MSCI EAFE ETF	Developed Markets	Broad Equity	0.32	4.26	6.94	64.30
3	ISDX	Invesco RAFI Strategic Developed ex-US ETF	Developed Markets	Large Cap	0.23	3.53	6.76	61.30
4	EFV	iShares MSCI EAFE Value ETF	Developed Markets	Broad Equity	0.39	4.66	6.38	60.70
5	RFDI	First Trust RiverFront Dynamic Developed International ETF	Developed Markets	Broad Equity	0.83	5.63	6.37	59.60

continued on next page

Equity ETF Select List - Strategies



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	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	IPKW	Invesco International BuyBack Achievers ETF	Alpha-Seeking	Global Ex-U.S.	0.55	4.71	6.30	58.70
2	FV	First Trust Dorsey Wright Focus 5 ETF	Alpha-Seeking	Global	0.89	5.22	5.83	56.90
3	DWCR	Arrow DWA Tactical International ETF	Alpha-Seeking	Global Ex-U.S.	1.36	7.06	6.27	56.20
4	FVC	First Trust Dorsey Wright Dynamic Focus 5 ETF	Alpha-Seeking	Global	0.89	3.62	6.05	56.00
5	IFV	First Trust Dorsey Wright International Focus 5 ETF	Alpha-Seeking	Global Ex-U.S.	1.03	6.53	5.98	56.00
1	ECH	iShares MSCI Chile ETF	Broad Equity	Latin America	0.59	6.37	10.00	82.40
2	TUR	iShares MSCI Turkey ETF	Broad Equity	Europe	0.57	6.77	9.16	75.30
3	ONEQ	Fidelity NASDAQ Composite Index ETF	Broad Equity	North America	0.21	5.94	8.87	72.50
4	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	1.10	7.53	8.78	71.90
5	EPU	iShares MSCI Peru ETF	Broad Equity	Latin America	0.57	6.93	8.72	71.80
1	QYLD	Global X Nasdaq 100 Covered Call ETF	Buywrite	North America	0.60	3.11	6.68	60.70
2	SLVO	Credit Suisse X-Links Silver Shares Covered Call ETN	Buywrite	Global	0.65	5.40	4.91	48.80
3	VEGA	AdvisorShares STAR Global Buy-Write ETF	Buywrite	Global	2.02	4.38	3.14	37.10
4	GLDI	Credit Suisse X-Links Gold Shares Covered Call ETN	Buywrite	Global	0.65	4.36	2.30	33.70
1	DVYA	iShares Asia/Pacific Dividend ETF	High Dividend Yield	Asia-Pacific	0.49	5.17	7.92	68.60
2	SDIV	Global X SuperDividend ETF	High Dividend Yield	Global	0.59	5.55	7.72	66.60
3	FGD	First Trust DJ Global Select Dividend Index Fund	High Dividend Yield	Global	0.57	5.62	7.30	65.70
4	DGRW	WisdomTree U.S. Quality Dividend Growth Fund	High Dividend Yield	North America	0.28	2.01	6.95	63.30
5	DGRS	WisdomTree U.S. SmallCap Quality Dividend Growth Fund	High Dividend Yield	North America	0.38	4.16	7.00	62.90
1	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.77	2.49	6.76	59.90
2	HTUS	Hull Tactical US ETF	Long/Short	North America	1.00	6.79	6.55	55.80
3	DIVA	AGFIQ HEDGED DIVIDEND INCOME FUND	Long/Short	North America	1.21	5.90	5.82	51.60
4	CLIX	ProShares Long Online/Short Stores ETF	Long/Short	North America	0.65	7.23	5.45	50.80
5	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.36	4.24	4.11	43.80
1	PFXF	VanEck Preferred Securities ex Financials ETF	Preferred Stock	Global	0.40	2.90	6.56	59.80
2	VRP	Invesco Variable Rate Preferred ETF	Preferred Stock	North America	0.50	3.32	6.05	57.50
3	PGF	Invesco Financial Preferred ETF	Preferred Stock	North America	0.55	3.37	5.36	53.30
4	SPFF	Global X Super Income Preferred ETF	Preferred Stock	North America	0.58	3.94	5.40	52.20
5	PSK	SPDR ICE Preferred Securities ETF	Preferred Stock	North America	0.45	3.56	4.75	50.30
1	EMIF	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.60	7.56	7.63	67.60
2	ESGG	FlexShares STOXX Global ESG Select Index Fund	Theme	Global	0.42	3.50	6.26	60.60
3	KOMP	SPDR S&P Kensho New Economies Composite ETF	Theme	North America	0.20	4.89	6.50	60.60

4	EQRR	Proshares Equities For Rising Rates ETF	Theme	North America	0.35	5.91	6.36	60.10
5	ESPO	VanEck Video Gaming and eSports ETF	Theme	Global	0.55	6.05	6.74	59.90
1	IVW	iShares S&P 500 Growth ETF	Large Cap	North America	0.18	4.85	9.39	76.90
2	VONV	Vanguard Russell 1000 Value	Large Cap	North America	0.08	4.10	8.77	74.10
3	SPYG	SPDR Portfolio S&P 500 Growth ETF	Large Cap	North America	0.04	3.48	8.58	72.20
4	ILF	iShares Latin America 40 ETF	Large Cap	Latin America	0.48	5.98	8.00	70.30
5	VONG	Vanguard Russell 1000 Growth ETF	Large Cap	North America	0.08	4.56	8.29	70.20
1	IJK	iShares S&P Mid-Cap 400 Growth ETF	Mid Cap	North America	0.17	5.74	9.82	81.20
2	IJJ	iShares S&P Mid-Cap 400 Value ETF	Mid Cap	North America	0.18	5.35	9.44	79.40
3	MDYG	SPDR S&P 400 Mid CapGrowth ETF	Mid Cap	North America	0.15	4.91	9.04	76.10
4	MDYV	SPDR S&P 400 Mid Cap Value ETF	Mid Cap	North America	0.15	4.05	8.75	74.80
5	DON	WisdomTree U.S. MidCap Dividend Fund	Mid Cap	North America	0.38	4.46	8.53	72.80
1	IJS	iShares S&P Small-Cap 600 Value ETF	Small Cap	North America	0.18	5.15	9.77	81.00
2	SCHA	Schwab US Small-Cap ETF	Small Cap	North America	0.04	4.68	9.51	78.60
3	SLYV	SPDR S&P 600 Small CapValue ETF	Small Cap	North America	0.15	4.42	8.89	75.40
4	VTWO	Vanguard Russell 2000 ETF	Small Cap	North America	0.10	5.01	8.42	72.50
5	DES	WisdomTree U.S. SmallCap Dividend Fund	Small Cap	North America	0.38	4.35	8.36	71.30
1	DWMC	AdvisorShares Dorsey Wright Micro-Cap ETF	Micro Cap	North America	1.27	6.89	6.75	60.00
2	FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60	5.03	4.63	49.00
3	IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60	5.82	2.81	38.00

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*Key

***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. ♦♦♦♦♦♦♦♦♦♦

***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

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