

MSCI Korea ESG Universal Index (KRW)

The MSCI Korea ESG Universal Index is based on the MSCI Korea Index, its parent index, and includes large and mid-cap securities of the Korean equity markets. The index is designed to reflect the performance of an investment strategy that, by tilting away from free-float market cap weights, seeks to gain exposure to those companies demonstrating both a robust ESG profile as well as a positive trend in improving that profile, using minimal exclusions from the MSCI Korea index.

CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (KRW) (NOV 2012 – JUL 2022)



ANNUAL PERFORMANCE (%)

Year	MSCI Korea ESG Universal	MSCI Korea
2021	2.52	0.77
2020	36.26	36.40
2019	18.35	17.22
2018	-18.18	-17.10
2017	32.06	31.01
2016	14.12	12.53
2015	1.59	-0.04
2014	-5.80	-6.99
2013	0.03	2.70

INDEX PERFORMANCE – GROSS RETURNS (%) (JUL 29, 2022)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 30, 2012
					3 Yr	5 Yr	10 Yr		
MSCI Korea ESG Universal	5.52	-8.74	-22.29	-18.19	9.08	3.35	na	5.33	
MSCI Korea	5.87	-7.50	-21.72	-17.11	8.86	3.31	na	5.12	

FUNDAMENTALS (JUL 29, 2022)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.57	8.82	8.26	0.96
2.35	9.32	8.63	1.01

INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2012 – JUL 29, 2022)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	(%)	Period YYYY-MM-DD
MSCI Korea ESG Universal	1.00	1.36	15.25	21.06	19.05	na	36.50	2018-01-29–2020-03-19
MSCI Korea	1.00	0.00	6.00	20.83	19.11	na	36.42	2018-01-29–2020-03-19

¹ Last 12 months

² Based on monthly gross returns data

The MSCI Korea ESG Universal Index was launched on Aug 24, 2017. Data prior to the launch date is back-tested test (i.e. calculations of how the index might have performed over that time period had the index existed). There are frequently material differences between back-tested performance and actual results. Past performance – whether actual or back-tested – is no indication or guarantee of future performance.

INDEX CHARACTERISTICS

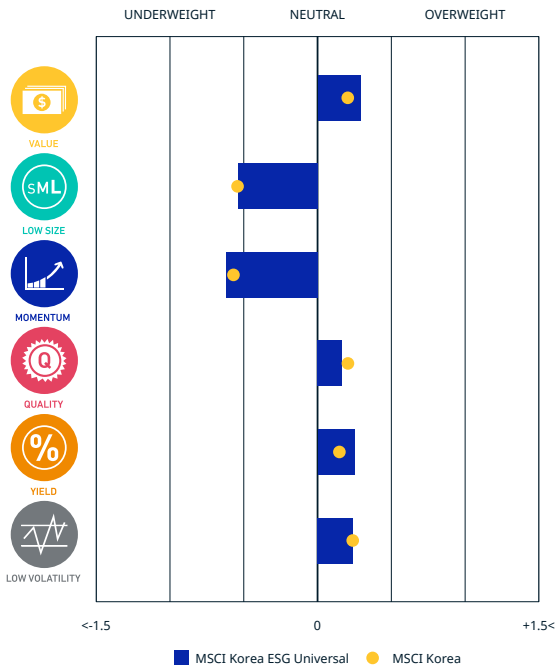
	MSCI Korea ESG Universal	MSCI Korea
Number of Constituents	110	112
	Weight (%)	
Largest	27.50	29.12
Smallest	0.04	0.08
Average	0.91	0.89
Median	0.27	0.31

TOP 10 CONSTITUENTS

	Index Wt. (%)	Parent Index Wt. (%)	Sector
SAMSUNG ELECTRONICS CO	27.50	29.12	Info Tech
NAVER	6.38	3.38	Comm Svcs
SK HYNIX	6.27	5.31	Info Tech
SAMSUNG ELECTRONICS PREF	4.40	4.66	Info Tech
KB FINANCIAL GROUP	3.59	1.90	Financials
LG CHEM	3.49	2.96	Materials
SHINHAN FINANCIAL GROUP	3.11	1.65	Financials
SAMSUNG SDI CO	2.94	3.11	Info Tech
KAKAO CORP	2.74	2.32	Comm Svcs
POSCO HOLDINGS	1.78	1.89	Materials
Total	62.20	56.28	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



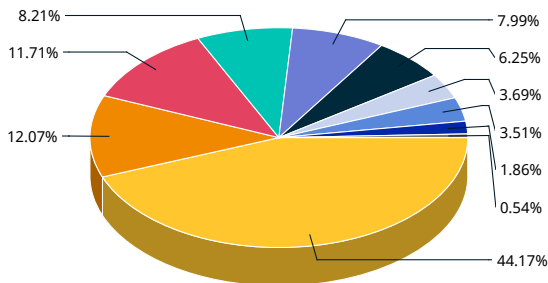
MSCI FaCS

- VALUE**
Relatively Inexpensive Stocks
- LOW SIZE**
Smaller Companies
- MOMENTUM**
Rising Stocks
- QUALITY**
Sound Balance Sheet Stocks
- YIELD**
Cash Flow Paid Out
- LOW VOLATILITY**
Lower Risk Stocks

MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



- Information Technology 44.17%
- Financials 12.07%
- Communication Services 11.71%
- Industrials 8.21%
- Materials 7.99%
- Consumer Discretionary 6.25%
- Consumer Staples 3.69%
- Health Care 3.51%
- Energy 1.86%
- Utilities 0.54%

INDEX FRAMEWORK

The MSCI ESG Universal Indexes aim to represent the performance of an investment strategy that by re-weighting free-float market cap weights based upon certain ESG metrics seeks to increase exposure to those companies demonstrating both a robust ESG profile as well as a positive trend in improving that profile, while seeking to minimize exclusions from the parent index.

The MSCI ESG Universal Indexes are constructed in following steps. First, the stocks with the weakest ESG profile from an MSCI Index (the 'Parent Index') are excluded. Second, ESG re-weighting factor is defined that reflects an assessment of both the current ESG profile (based on the current MSCI ESG Rating) as well as the trend in that profile (based on the MSCI ESG Rating Trend). Finally, the securities are re-weighted from the free-float market cap weights of the Parent Index using the combined ESG score to construct the MSCI ESG Universal Index.

The index is reviewed in February, May, August and November, coinciding with the quarterly and semiannually index reviews of MSCI Global Investable Market Indexes.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see [Index methodology - MSCI](#).

MSCI FACTOR BOX AND FaCS FRAMEWORK (Please refer to complete description of the MSCI FaCS methodology [here](#))

MSCI FaCS is a standard method for evaluating and reporting the Factor characteristics of equity portfolios. MSCI FaCS consists of Factor Groups (e.g. Value, Size, Momentum, Quality, Yield, and Volatility) that have been extensively documented in academic literature and validated by MSCI Research as key drivers of risk and return in equity portfolios. These Factor Groups are constructed by aggregating 16 factors (e.g. Book-to-Price, Earnings/Dividend Yields, LT Reversal, Leverage, Earnings Variability/Quality, Beta) from the latest Barra global equity factor risk model, GEMLT, designed to make fund comparisons transparent and intuitive for use. The MSCI Factor Box, which is powered by MSCI FaCS, provides a visualization designed to easily compare absolute exposures of funds/indexes and their benchmarks along 6 Factor Groups that have historically demonstrated excess market returns over the long run.

ABOUT MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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