

MSCI Japan Climate Change Index (USD)

The MSCI Japan Climate Change Index is based on the MSCI Japan Index, its parent index, and includes large and mid-cap securities of the Japanese equity markets. The index aims to represent the performance of an investment strategy that re-weights securities based upon the opportunities and risks associated with the transition to a lower carbon economy, while seeking to minimize exclusions from the parent index. The Indexes are designed to exceed the minimum standards of the EU Climate Transition Benchmark (CTB).

For a complete description of the index methodology, please see [Index methodology - MSCI](#).

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (NOV 2013 – JUL 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI Japan Climate Change	MSCI Japan
2023	17.60	20.32
2022	-18.48	-16.65
2021	0.33	1.71
2020	13.19	14.48
2019	20.45	19.61
2018	-11.89	-12.88
2017	24.12	23.99
2016	1.99	2.38
2015	12.07	9.57
2014	-3.99	-4.02

INDEX PERFORMANCE – NET RETURNS (%) (JUL 31, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 26, 2013
					3 Yr	5 Yr	10 Yr	Since Nov 26, 2013	
MSCI Japan Climate Change	6.90	8.41	13.29	10.36	2.43	5.90	5.52	5.35	
MSCI Japan	5.80	6.45	16.20	12.43	4.67	7.80	6.07	5.85	

FUNDAMENTALS (JUL 31, 2024)

Div Yld (%)	P/E	P/E Fwd	P/BV
1.84	19.50	17.51	1.78
2.10	16.68	15.17	1.56

INDEX RISK AND RETURN CHARACTERISTICS (NOV 26, 2013 – JUL 31, 2024)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Nov 26, 2013	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Japan Climate Change	1.00	1.64	29.86	16.46	16.13	14.11	0.03	0.30	0.34	0.34	34.74	2021-09-14–2022-10-21
MSCI Japan	1.00	0.00	3.67	16.23	15.87	14.06	0.17	0.42	0.38	0.37	33.42	2021-09-14–2022-10-21

¹ Last 12 months

² Based on monthly net returns data

³ Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

The MSCI Japan Climate Change Index was launched on Jun 20, 2019. 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

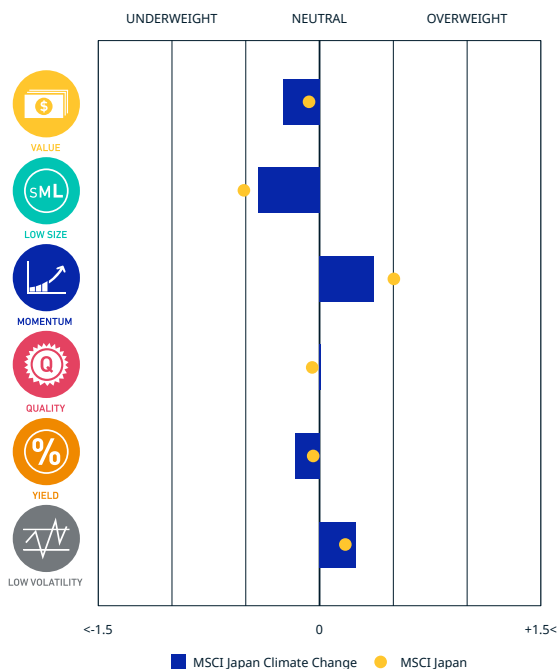
	MSCI Japan Climate Change	MSCI Japan
Number of Constituents	197	203
	Weight (%)	
Largest	4.72	5.22
Smallest	0.01	0.06
Average	0.51	0.49
Median	0.25	0.24

TOP 10 CONSTITUENTS

	Index Wt. (%)	Parent Index Wt. (%)	Sector
SONY GROUP CORP	4.72	2.82	Cons Discr
KEYENCE CORP	3.50	2.14	Info Tech
MITSUBISHI UFJ FIN GRP	3.30	3.25	Financials
DAIICHI SANKYO CO	3.23	1.90	Health Care
TOYOTA MOTOR CORP	2.50	5.22	Cons Discr
RECRUIT HOLDINGS CO	2.47	2.15	Industrials
CENTRAL JAPAN RAILWAY CO	2.43	0.46	Industrials
EAST JAPAN RAILWAY CO	2.27	0.43	Industrials
TOKIO MARINE HOLDINGS	2.22	1.89	Financials
FAST RETAILING CO	1.98	1.22	Cons Discr
Total	28.63	21.48	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



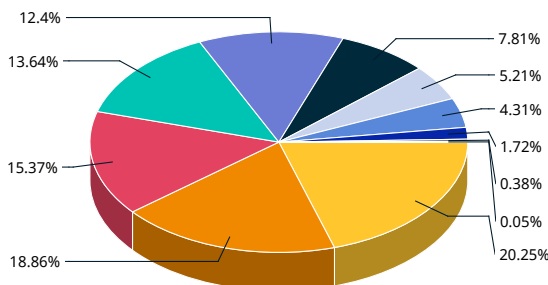
MSCI FaCS

- 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



- Industrials 20.25%
- Information Technology 18.86%
- Consumer Discretionary 15.37%
- Financials 13.64%
- Health Care 12.4%
- Communication Services 7.81%
- Consumer Staples 5.21%
- Real Estate 4.31%
- Materials 1.72%
- Utilities 0.38%
- Energy 0.05%

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

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