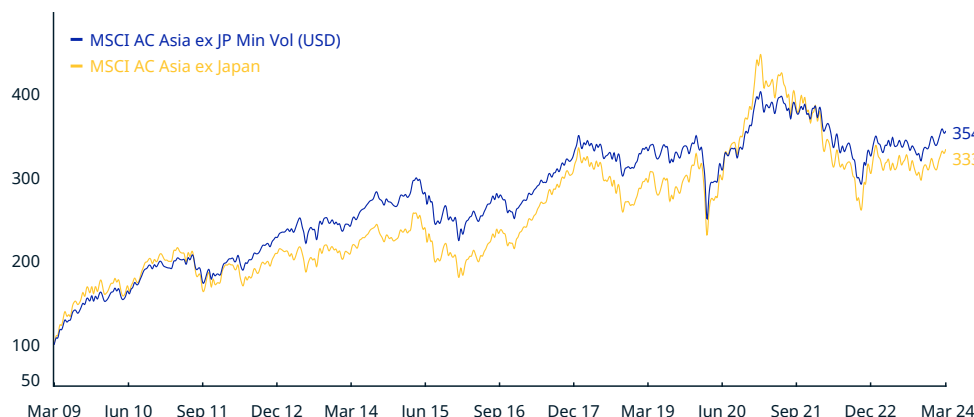


# MSCI AC Asia ex Japan Minimum Volatility (USD) Index (USD)

The MSCI AC Asia ex Japan Minimum Volatility (USD) aims to reflect the performance characteristics of a minimum variance strategy applied to the large and mid cap representation across 2 of 3 Developed Markets countries\* (excluding Japan) and 8 Emerging Markets countries\* in Asia. The index is calculated by optimizing the MSCI AC Asia ex Japan Index, its parent index, in USD for the lowest absolute risk (within a given set of constraints). Historically, the index has shown lower beta and volatility characteristics relative to the MSCI AC Asia ex Japan Index.

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

## CUMULATIVE INDEX PERFORMANCE – GROSS RETURNS (USD) (MAR 2009 – MAR 2024)



## ANNUAL PERFORMANCE (%)

Year	MSCI AC Asia ex JP Min Vol (USD)	MSCI AC Asia ex Japan
2023	6.46	6.34
2022	-14.25	-19.35
2021	2.26	-4.46
2020	9.49	25.36
2019	10.04	18.52
2018	-5.49	-14.12
2017	28.94	42.08
2016	1.28	5.76
2015	-6.01	-8.90
2014	7.82	5.11
2013	9.12	3.33
2012	25.14	22.70
2011	-8.04	-17.07
2010	23.77	19.93

## INDEX PERFORMANCE – GROSS RETURNS (%) (MAR 29, 2024)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 1993	FUNDAMENTALS (MAR 29, 2024)			
					3 Yr	5 Yr	10 Yr			Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI AC Asia ex JP Min Vol (USD)	0.65	1.33	4.83	1.33	-2.60	1.18	3.69	6.43		3.13	15.99	13.28	1.64
MSCI AC Asia ex Japan	2.58	2.44	4.36	2.44	-6.52	2.27	4.49	5.42		2.53	17.19	12.77	1.62

## INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2001 – MAR 29, 2024)

	Beta	Tracking Error (%)	Turnover (%) <sup>1</sup>	ANNUALIZED STD DEV (%) <sup>2</sup>			SHARPE RATIO <sup>2,3</sup>			Since May 31, 2001	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI AC Asia ex JP Min Vol (USD)	0.76	6.06	21.55	13.76	14.50	13.01	-0.32	0.01	0.23	0.54	55.99	2007-10-29–2008-10-27
MSCI AC Asia ex Japan	1.00	0.00	6.43	19.36	19.46	17.22	-0.39	0.11	0.26	0.40	65.40	2007-10-29–2008-10-27

<sup>1</sup> Last 12 months <sup>2</sup> Based on monthly gross returns data <sup>3</sup> Based on NY FED Overnight SOFR from Sep 1 2021 & on ICE LIBOR 1M prior that date

\* Developed Markets countries in the index include: Hong Kong and Singapore. Emerging Markets countries include: China, India, Indonesia, Korea, Malaysia, the Philippines, Taiwan and Thailand.

The MSCI AC Asia ex Japan Minimum Volatility (USD) Index was launched on Jan 16, 2012. 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

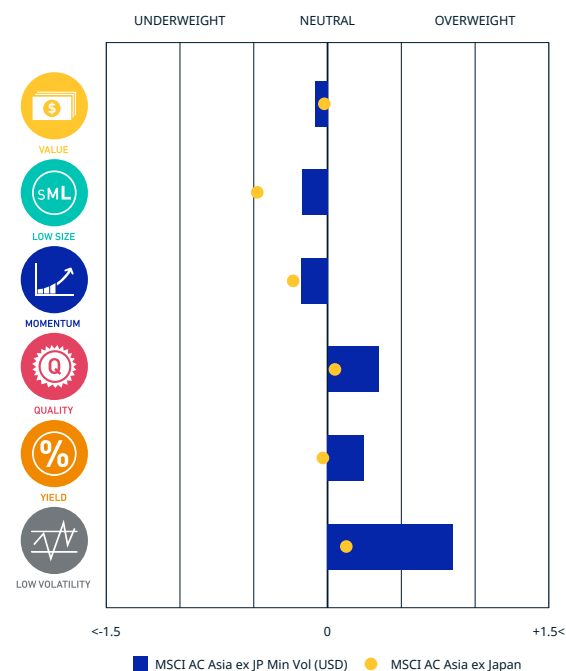
	MSCI AC Asia ex JP Min Vol (USD)	MSCI AC Asia ex Japan
<b>Number of Constituents</b>	283	1,182
	<b>Weight (%)</b>	
<b>Largest</b>	1.83	9.69
<b>Smallest</b>	0.03	0.00
<b>Average</b>	0.35	0.08
<b>Median</b>	0.22	0.03

## TOP 10 CONSTITUENTS

	Country	Index Wt. (%)	Parent Index Wt. (%)	Sector
BHARTI AIRTEL	IN	1.83	0.54	Comm Srvcs
AGRI BANK OF CHINA H	CN	1.58	0.19	Financials
SAMSUNG ELECTRONICS CO	KR	1.56	4.72	Info Tech
CHUNGWA TELECOM CO	TW	1.52	0.24	Comm Srvcs
BANK CENTRAL ASIA	ID	1.51	0.57	Financials
TAIWAN MOBILE	TW	1.50	0.09	Comm Srvcs
BANK OF CHINA H	CN	1.49	0.53	Financials
TATA CONSULTANCY	IN	1.48	0.68	Info Tech
CLP HOLDINGS	HK	1.38	0.21	Utilities
SINGAPORE TELECOM	SG	1.37	0.25	Comm Srvcs
<b>Total</b>		<b>15.21</b>	<b>8.02</b>	

## FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

## MSCI FACTOR BOX



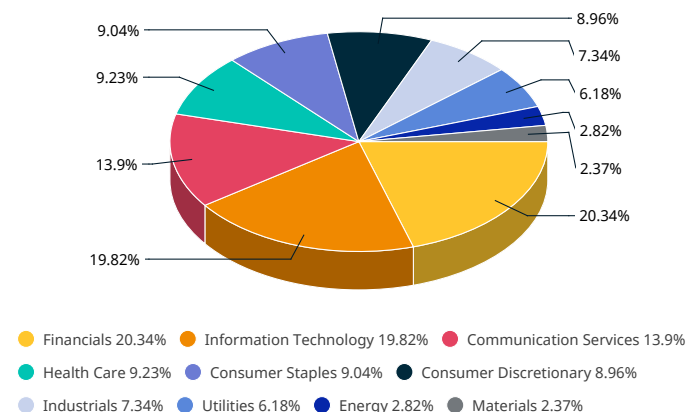
## MSCI FaCS

- 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



## 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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