

STOXX® EMERGING MARKETS 800 LO MINIMUM VARIANCE INDEX

Index description

The STOXX® Minimum Variance Indices seek to represent the performance characteristics of a minimum variance strategy applied to a variety of STOXX® regional and country benchmark indices. The index composition is determined by minimizing the total portfolio risk subject to a set of constraints.

For most Minimum Variance Indices, STOXX offers two versions: a constrained version that limits deviations from the benchmark by imposing constraints on style and industry exposures, and an unconstrained version that allows larger deviations from the benchmark for a more optimal portfolio.

The STOXX Minimum Variance Indices are designed in cooperation with Axioma, a leading provider of risk management solutions.

The indices are available for different regions and countries worldwide.

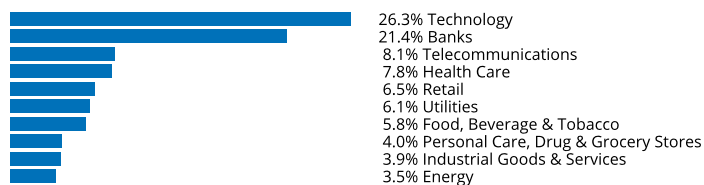
Key facts

- »Provides lower volatility compared to its benchmark.
- »Turnover, liquidity and component constraints ensure tradability.
- »Capping constraints avoid concentration risk and ensure UCITS compliance.
- »Unconstrained version has more freedom to reduce risk in resulting portfolio.
- »Suitable for core allocation in a portfolio.

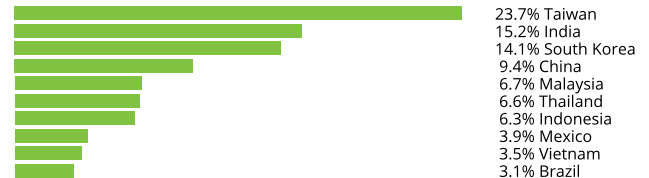
Descriptive statistics

Index	Market cap (USD bn.)		Components (USD bn.)				Component weight (%)		Turnover (%)
	Full	Free-float	Mean	Median	Largest	Smallest	Largest	Smallest	Last 12 months
STOXX Emerging Markets 800 LO Minimum Variance Index	N/A	114.1	0.6	0.4	3.8	0.0	3.3	0.0	20.1
STOXX Emerging Markets 800 LO Index	7,767.8	4,752.1	5.9	2.8	436.5	0.8	9.2	0.0	15.1

Supersector weighting (top 10)



Country weighting



Risk and return figures¹

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
STOXX Emerging Markets 800 LO Minimum Variance Index	7.5	16.4	15.9	30.0	25.4	N/A	N/A	16.0	9.2	4.7
STOXX Emerging Markets 800 LO Index	5.1	16.2	13.7	21.3	18.2	N/A	N/A	13.8	6.7	3.4
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio ²				
STOXX Emerging Markets 800 LO Minimum Variance Index	11.2	9.2	10.9	11.6	13.1	N/A	N/A	1.2	0.7	0.3
STOXX Emerging Markets 800 LO Index	12.5	11.9	14.7	15.3	17.3	N/A	N/A	0.8	0.4	0.2
Index to benchmark	Correlation					Tracking error (%)				
STOXX Emerging Markets 800 LO Minimum Variance Index	0.8	0.9	0.9	0.9	1.0	7.6	5.5	6.0	5.7	6.1
Index to benchmark	Beta					Annualized information ratio				
STOXX Emerging Markets 800 LO Minimum Variance Index	0.7	0.7	0.7	0.7	0.7	3.6	-0.0	0.2	0.3	0.1

¹ For information on data calculation, please refer to STOXX calculation reference guide.

² Based on EURIBOR1M

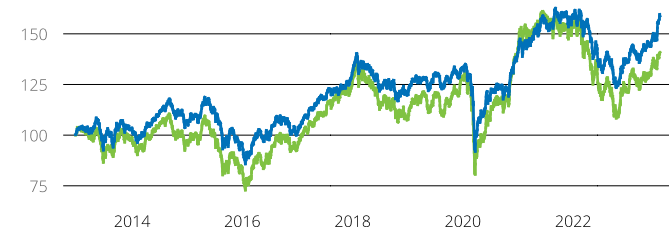
(USD, gross return), all data as of Jul. 31, 2023

STRATEGY INDICES

STOXX® EMERGING MARKETS 800 LO MINIMUM VARIANCE

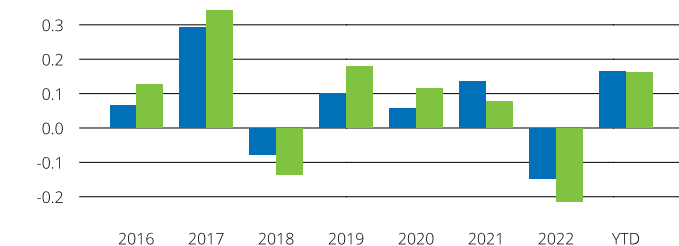
Fundamentals (for last 12 months)

Index	Price/earnings incl. negative		Price/earnings excl. negative		Price/ book	Dividend yield (%) ³	Price/ sales	Price/ cash flow
	Trailing	Projected	Trailing	Projected	Trailing	Trailing	Trailing	Trailing
STOXX Emerging Markets 800 LO Minimum Variance Index	14.9	14.6	13.0	14.2	1.5	3.6	0.7	-13.8
STOXX Emerging Markets 800 LO Index	0.1	13.3	0.0	12.5	1.5	4.0	0.7	0.8

Performance and annual returns⁴

— STOXX® Emerging Markets 800 LO Minimum Variance Index

— STOXX® Emerging Markets 800 LO Index



■ STOXX® Emerging Markets 800 LO Minimum Variance Index

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Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return USD	CH0358649637	SAEMMVGV		.SAEMMVGV

Complete list available here: www.stoxx.com/data/vendor_codes.html

Methodology

The index universe is the corresponding STOXX benchmark index. Using Axioma's factor risk model, the total risk of the portfolio is minimized subject to a set of constraints. The constraints control turnover, limit active exposures compared to the benchmark, and ensure tradability. The full index methodology can be accessed in our index rulebook:

<http://www.stoxx.com/indices/rulebooks.html>

Quick facts

Weighting	Optimization
Cap factor	4.5% / 8% / 35%
No. of components	Variable
Review frequency	Quarterly
Calculation/distribution	dayend
Calculation hours	22:00:00 22:00:00
Base value/base date	100 as of May. 04, 2012
History	Available daily back to Mar. 18, 2005
Inception date	May 16, 2018

To learn more about the inception date, the currency, the calculation hours and historical values, please see our data vendor code sheet.

CONTACT DETAILS

STOXX customer support | P +41 43 430 7272 | customersupport@stoxx.com | <https://qontigo.com/support/>

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BACKTESTED PERFORMANCE

This document contains index performance data based on backtesting, i.e. calculations of how the index might have performed prior to launch if it had existed using the same index methodology and based on historical constituents. Backtested performance information is purely hypothetical and is provided in this document solely for information purposes. Backtested performance does not represent actual performance and should not be interpreted as an indication of actual performance.

CUSTOMIZATION

The index can be used as a basis for the definition of STOXX® Customized Indices, which can be tailored to specific client or mandate needs. STOXX offers customization in almost unlimited forms for example in terms of component selection, weighting schemes and personalized calculation methodologies.

³ gr. div. yield is calculated as gr. return index return minus price index return

⁴ STOXX data from Dec. 21, 2012 to Jul. 31, 2023

(USD, gross return), all data as of Jul. 31, 2023

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Top 10 Components⁵

Company	Supersector	Country	Weight (%)
Quanta Computer Inc	Technology	Taiwan	3.34
EQUATORIAL ON	Utilities	Brazil	2.13
Wistron	Technology	Taiwan	2.00
Samsung Electronics Co Ltd	Technology	South Korea	1.97
BIM BIRLESİK MAGAZALAR	Personal Care, Drug & Grocery Stores	Turkey	1.90
Bank Central Asia Tbk PT	Banks	Indonesia	1.86
Wal-Mart de Mexico SAB de CV	Retail	Mexico	1.85
Tata Consultancy Services Ltd	Technology	India	1.73
SUN PHARMA INDUSTRIES	Health Care	India	1.71
E.Sun Fhc	Banks	Taiwan	1.71

⁵ Based on the composition as of Jul. 31, 2023
