EURO STOXX MINIMUM VARIANCE

Index description

The EURO STOXX Minimum Variance index weights the components of the underlying EURO STOXX index so that portfolio variance is minimized. STOXX uses Axioma's factor model for the optimization process. The constrained version creates a portfolio similar to the underlying benchmark index, but with a more attractive risk profile. This is achieved by applying a range of factors, country and industry exposure constraints to ensure that components have no high allocation bias.

Key facts

»Minimized volatility is suitable for risk-averse investors. At the same time, the return of the index is higher than the benchmark.

»Suitable as a liquid underlying for ETFs and structured products. It is easy to replicate as it has fewer components than the underlying Index. It also has predictable rebalancing dates and is optimized to allow tracking (low turnover, transaction costs analysis, etc.).

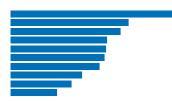
»Capping constraints are applied in accordance with the Undertakings for Collective Investment in Transferable Securities (UCITS) directive to ensure that funds can easily track the index.

»Constraints on diversification and security, country, industry and factor exposure are applied.

Descriptive statistics

| Index | Market cap (EUR bn.) | | Components (EUR bn.) | | Component weight (%) | | Turnover (%) | | |
|-----------------------------|----------------------|------------|----------------------|--------|----------------------|----------|--------------|----------|----------------|
| | Full | Free-float | Mean | Median | Largest | Smallest | Largest | Smallest | Last 12 months |
| EURO STOXX Minimum Variance | N/A | 99.9 | 1.3 | 0.6 | 7.2 | 0.0 | 7.2 | 0.0 | 30.3 |
| EURO STOXX | 7,032.4 | 5,017.5 | 17.2 | 6.9 | 245.1 | 1.5 | 4.9 | 0.0 | 3.0 |

Supersector weighting (top 10)



14.3% Consumer Products and Services 10.5% Health Care

- 9.8% Utilities
- 8.6% Personal Care, Drug and Grocery Stores
- 8.3% Technology 7.9% Industrial Goods and Services 6.3% Insurance 5.4% Construction and Materials

Country weighting



Risk and return figures¹

| Index returns | | | | İ | Return (%) | | | An | nualized re | turn (%) |
|-----------------------------|------------|---|------|------|------------|------------|------|-----------|-------------|-------------|
| | Last month | YTD | 1Y | 3Y | 5Y | Last month | YTD | 1Y | 3Y | 5Y |
| EURO STOXX Minimum Variance | -0.2 | 9.8 | 10.5 | 19.2 | 18.7 | N/A | N/A | 10.6 | 6.1 | 3.5 |
| EURO STOXX | -3.1 | 22.4 | 20.8 | 37.8 | 38.8 | N/A | N/A | 21.0 | 11.4 | 6.9 |
| Index volatility and risk | | Annualized volatility (%) Annualized Sharpe | | | | | | rpe ratio | | |
| EURO STOXX Minimum Variance | N/A | N/A | 11.5 | 13.4 | 15.6 | N/A | N/A | 0.6 | 0.4 | 0.2 |
| EURO STOXX | N/A | N/A | 15.9 | 17.8 | 19.9 | N/A | N/A | 1.0 | 0.6 | 0.3 |
| Index to benchmark | | Correlation | | | | | | Tracking | g error (%) | |
| EURO STOXX Minimum Variance | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 6.0 | 7.2 | 7.1 | 7.4 | 7.5 |
| Index to benchmark | | | | | Beta | | | Annuali | zed inform | ation ratio |
| EURO STOXX Minimum Variance | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 5.5 | -1.0 | -1.4 | -0.8 | -0.6 |

¹ For information on data calculation, please refer to STOXX <u>calculation reference guide</u>

(EUR, gross return), all data as of Aug. 31, 2023



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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 |
| EURO STOXX Minimum Variance | 16.4 | 15.5 | 16.4 | 15.5 | 2.0 | 3.5 | 1.0 | 4.2 |
| EURO STOXX | 14.7 | 12.1 | 12.7 | 11.7 | 1.6 | 3.8 | 1.0 | 4.3 |

Performance and annual returns⁴





Methodology

On the basis of the underlying index, a covariance matrix is set up by determining the correlation between each component and specific factors. Using Axioma's factor model, the variance-covariance structure of the components is determined, which is then minimized with respect to applicable constraints. The constraints applied cover capping, effective number of assets, rebalancing and turnover, country/industry exposure and other factor exposures, such as growth, value, short-/mid-term momentum, leverage, etc. The full list of factors including the requirements to be met can be accessed in our Index rulebook:

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

Versions and symbols

| Index | | ISIN | Symbol | Bloomberg | Reuters |
|--------------|-----|--------------|----------|----------------|-----------|
| Gross Return | EUR | CH0180138320 | SAXEMVGR | SAXEMVGR INDEX | .SAXEMVGR |
| Price | EUR | CH0180138007 | SAXEMVP | SAXEMVP INDEX | .SAXEMVP |
| Net Return | EUR | CH0180138163 | SAXEMVR | SAXEMVR INDEX | .SAXEMVR |
| Price | USD | CH0180138486 | SAXEMVL | SAXEMVL INDEX | .SAXEMVL |
| Net Return | USD | CH0180138643 | SAXEMVV | SAXEMVV INDEX | .SAXEMVV |
| Gross Return | USD | CH0180138809 | SAXEMVGV | SAXEMVGV INDEX | .SAXEMVGV |

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

Quick facts

| Weighting | Optimization |
|-----------------------------------|--|
| Cap factor | 4.5% / 8% / 35% |
| No. of components | Variable |
| Review frequency | Quarterly (Mar., Jun., Sep., Dec.) |
| To be a series of the series of a | and the date the common the relativistic become all blacked as because |

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

CONTACT DETAILS

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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 a wide range of customization, in terms of component selection, weighting schemes and personalized calculation methodologies.

 $^{\rm 3}\,{\rm gr.}$ div. yield is calculated as gr. return index return minus price index return

⁴ STOXX data from Jul. 01, 2002 to Aug. 31, 2023

(EUR, gross return), all data as of Aug. 31, 2023

STRATEGY INDICES EURO STOXX MINIMUM VARIANCE

Top 10 Components⁵

| Company | Supersector | Country | Weight (%) | |
|----------------|---------------------------------|-------------|------------|--|
| HENKEL PREF | Consumer Products and Services | Germany | 7.23 | |
| L'OREAL | Consumer Products and Services | France | 7.09 | |
| TERNA | Utilities | Italy | 5.09 | |
| BEIERSDORF | Personal Care, Drug and Grocery | Germany | 4.83 | |
| SAMPO | Insurance | Finland | 3.97 | |
| KPN | Telecommunications | Netherlands | 3.89 | |
| ORANGE | Telecommunications | France | 3.88 | |
| MERCK | Health Care | Germany | 3.67 | |
| QIAGEN | Health Care | Germany | 3.66 | |
| WOLTERS KLUWER | Media | Netherlands | 3.65 | |

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