

STOXX® JAPAN LOW CARBON INDEX

Index description

These STOXX Low Carbon indices cover benchmark indices and the blue-chip index EURO STOXX 50®. By utilizing both estimated and reported carbon intensity scores, this index family represents broad indices with a variable number of components, covering the regions Global, Europe, Eurozone, USA and Japan. These indices closely track the risk-return profile of the underlying benchmark indices while offering a reduction in carbon emissions in the overall portfolio of constituents by overweighting lower carbon emitters, while underweighting higher carbon emitters.

STOXX uses CDP and ISS ESG as reliable and professional data sources for the estimated and reported data. Data considered comprise Scope 1 (All direct GHG emissions) and Scope 2 (Indirect GHG emissions from consumption of purchased electricity, heat or steam) emissions.

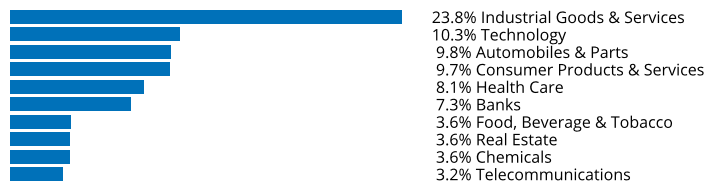
Key facts

- »Derived from STOXX broad, yet liquid broad indices to ensure tradability.
- »As indices derived from those well-known broad indices, investor can easily use it for benchmark purposes.
- »Comprehensive offering by covering global regions, Europe, Eurozone and USA.
- »Usage of a reliable data sources: CDP for reported data.
- »Only companies with reported data are available for selection.

Descriptive statistics

Index	Market cap (JPY bn.)		Components (JPY bn.)				Component weight (%)		Turnover (%)
	Full	Free-float	Mean	Median	Largest	Smallest	Largest	Smallest	Last 12 months
STOXX Japan Low Carbon Index	N/A	14,756,622.7	36526.3	14654.4	707755.8	1223.2	4.8	0.0	8.5
STOXX Japan 600 Index	719,416.3	608,757.4	1014.6	357.5	23,711.1	72.2	3.9	0.0	2.5

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 Japan Low Carbon Index	4.1	14.1	14.2	45.4	39.9	N/A	N/A	14.3	13.4	7.0
STOXX Japan 600 Index	3.7	14.1	13.7	45.8	38.3	N/A	N/A	13.8	13.5	6.8
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio ²				
STOXX Japan Low Carbon Index	10.8	12.8	15.0	16.3	17.0	N/A	N/A	0.8	0.7	0.4
STOXX Japan 600 Index	10.5	12.4	14.6	16.0	16.8	N/A	N/A	0.8	0.8	0.4
Index to benchmark	Correlation					Tracking error (%)				
STOXX Japan Low Carbon Index	1.0	1.0	1.0	1.0	1.0	0.8	0.9	0.9	0.9	1.0
Index to benchmark	Beta					Annualized information ratio				
STOXX Japan Low Carbon Index	1.0	1.0	1.0	1.0	1.0	4.9	-0.0	0.6	-0.1	0.3

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

² Based on EURIBOR1M

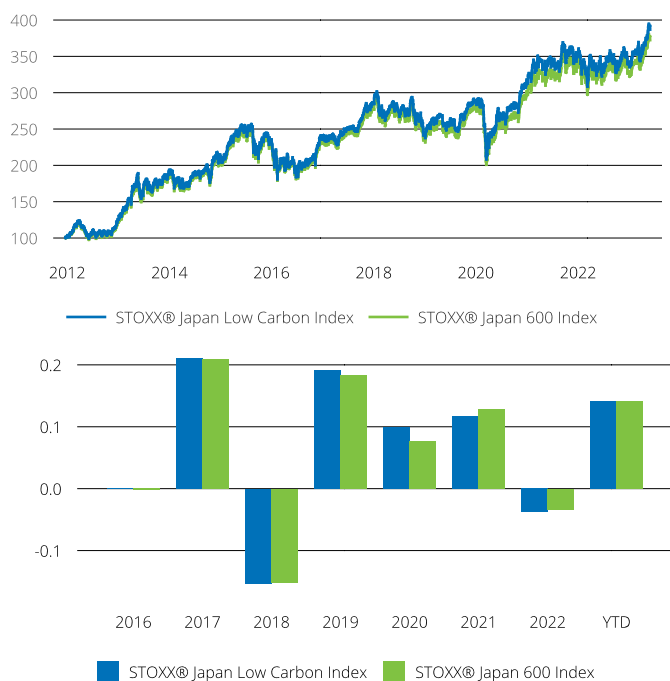
(JPY, gross return), all data as of May 31, 2023

THEME INDICES

STOXX® JAPAN LOW CARBON INDEX

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 Japan Low Carbon Index	15.6	14.0	14.6	14.0	1.3	2.5	0.9	18.3
STOXX Japan 600 Index	15.0	13.9	13.9	13.8	1.3	2.6	0.9	18.2

Performance and annual returns⁴

Methodology

Base universe is the STOXX Global 1800 Index, excluding stocks from ICB subsector coal (ICB Code 60101040). Only those stocks with reported or estimated low carbon emission data are eligible for inclusion. STOXX uses estimated and reported Carbon Intensity data ((Scope 1 + Scope 2 emission data) / Revenue in \$ million) provided by our research partner CDP and ISS ESG. The remaining stocks are sorted by ICB Supersector and a Z-score per supersector is calculated. For the EURO STOXX 50 Low Carbon index, a Z-Score is calculated for the population. Indices are price weighted with a weight factor based on the free-float market capitalization multiplied by the corresponding Z-score carbon intensity factor of each constituent. The resulting tilt overweights stocks with lower carbon intensities and underweights those with higher emissions. Individual components are subject to a 5% cap.

Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return EUR	CH0304746008	SXJGCEG		.SXJGCEG
Gross Return EUR	CH0304746008	SXJGCEG		.SXJGCEG
Gross Return EUR	CH0304746008	SXJGCEG		.SXJGCEG
Net Return EUR	CH0304745984	SXJNCEN		.SXJNCEN
Net Return EUR	CH0304745984	SXJNCEN		.SXJNCEN
Net Return EUR	CH0304745984	SXJNCEN		.SXJNCEN
Price EUR	CH0304745968	SXJPCEP		.SXJPCEP
Price EUR	CH0304745968	SXJPCEP		.SXJPCEP
Price EUR	CH0304745968	SXJPCEP		.SXJPCEP
Gross Return JPY	CH0304746768	SXJGCGY	SXJGCGY INDEX	.SXJGCGY

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

Quick facts

Weighting	Price weighted; weight factor based on FF M-cap multiplied by Z-
Cap factor	5% on component level
No. of components	Variable
Review frequency	Components: Annually. Shares, Free Float and Weight Factor:
Calculation/distribution	See https://www.stoxx.com/data-vendor-codes
Calculation hours	End-of-day
Base value/base date	100 on Dec. 19, 2011
History	Yes
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 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. 19, 2011 to May 31, 2023

(JPY, gross return), all data as of May 31, 2023

STOXX® JAPAN LOW CARBON INDEX

Top 10 Components⁵

Company	Supersector	Country	Weight (%)
Toyota Motor Corp.	Automobiles & Parts	Japan	4.80
Mitsubishi UFJ Financial Group	Banks	Japan	3.35
SONY GROUP CORP.	Consumer Products & Services	Japan	2.98
Keyence Corp.	Industrial Goods & Services	Japan	2.98
Nintendo Co. Ltd.	Consumer Products & Services	Japan	2.08
Tokyo Electron Ltd.	Technology	Japan	2.01
Fast Retailing Co. Ltd.	Retail	Japan	1.76
Sumitomo Mitsui Financial Grou	Banks	Japan	1.68
RECRUIT HOLDINGS	Industrial Goods & Services	Japan	1.47
Hitachi Ltd.	Industrial Goods & Services	Japan	1.40

⁵ Based on the composition as of May 31, 2023