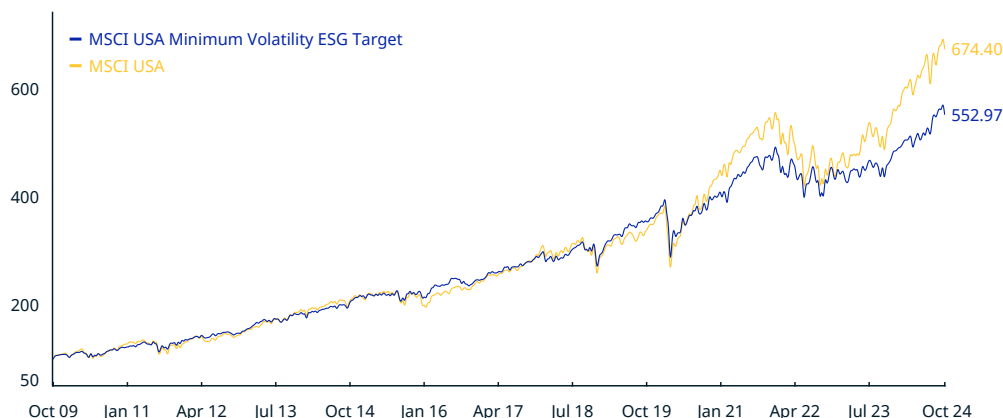


MSCI USA Minimum Volatility ESG Target Index (USD)

The MSCI USA Minimum Volatility ESG Target Index is based on MSCI USA Index, its parent index, which includes large- and mid-cap stocks across the U.S. equity markets. The index is designed to represent the performance of a strategy that seeks systematic integration of environmental, social and governance (ESG) norms in minimum volatility investing by seeking to minimize risk along with the improvement in the ESG profile of the index. The Index aims to achieve lowest risk while improving the ESG score relative to the underlying parent index.

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

CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (OCT 2009 – OCT 2024)



ANNUAL PERFORMANCE (%)

Year	MSCI USA Minimum Volatility ESG Target	MSCI USA
2023	11.23	26.49
2022	-11.69	-19.85
2021	22.41	26.45
2020	8.88	20.73
2019	29.05	30.88
2018	-0.16	-5.04
2017	17.11	21.19
2016	9.87	10.89
2015	4.59	0.69
2014	15.18	12.69
2013	26.45	31.79
2012	10.31	15.33
2011	10.20	1.36
2010	12.50	14.77

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

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since Nov 30, 2007
					3 Yr	5 Yr	10 Yr	Since Nov 30, 2007	
MSCI USA Minimum Volatility ESG Target	-1.72	3.56	26.03	14.04	5.25	9.20	10.34	9.31	
MSCI USA	-0.76	3.74	37.82	20.39	7.87	14.73	12.35	9.83	

FUNDAMENTALS (OCT 31, 2024)

	Div Yld (%)	P/E	P/E Fwd	P/BV
MSCI USA Minimum Volatility ESG Target	1.71	24.29	19.70	5.10
MSCI USA	1.31	26.74	21.59	5.02

INDEX RISK AND RETURN CHARACTERISTICS (NOV 30, 2007 – OCT 31, 2024)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since Nov 30, 2007	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI USA Minimum Volatility ESG Target	0.73	6.33	20.64	14.45	15.35	12.62	0.18	0.50	0.71	0.66	42.54	2007-12-10–2009-03-09
MSCI USA	1.00	0.00	1.97	17.37	18.37	15.46	0.32	0.72	0.72	0.58	54.09	2007-12-10–2009-03-09

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 USA Minimum Volatility ESG Target Index was launched on Sep 28, 2017. 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

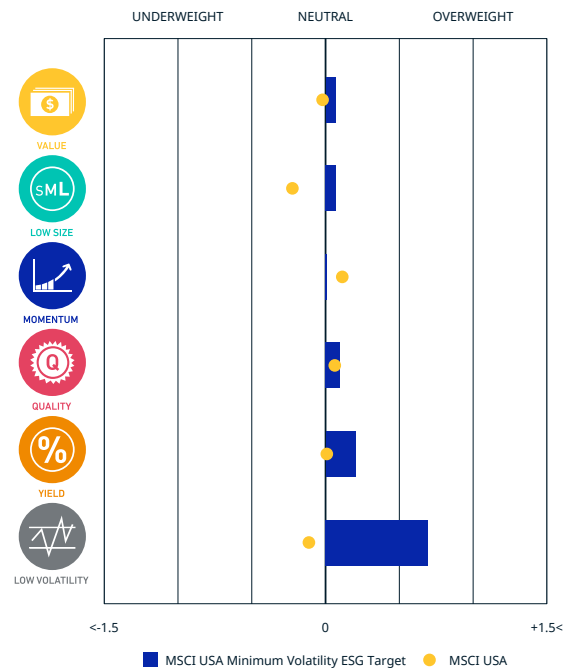
	MSCI USA Minimum Volatility ESG Target	MSCI USA
Number of Constituents	147	593
Weight (%)		
Largest	1.71	6.60
Smallest	0.05	0.01
Average	0.68	0.17
Median	0.56	0.06

TOP 10 CONSTITUENTS

	Index Wt. (%)	Parent Index Wt. (%)	Sector
MOTOROLA SOLUTIONS	1.71	0.15	Info Tech
IBM CORP	1.67	0.38	Info Tech
GRAINGER (WW)	1.63	0.10	Industrials
TRAVELERS COS (THE)	1.57	0.11	Financials
T-MOBILE US	1.53	0.24	Comm Svcs
NVIDIA	1.52	6.55	Info Tech
NORTHROP GRUMMAN CORP	1.51	0.14	Industrials
VERTEX PHARMACEUTICALS	1.51	0.25	Health Care
VERIZON COMMUNICATIONS	1.47	0.36	Comm Svcs
CISCO SYSTEMS	1.46	0.44	Info Tech
Total	15.58	8.72	

FACTORS - KEY EXPOSURES THAT DRIVE RISK AND RETURN

MSCI FACTOR BOX



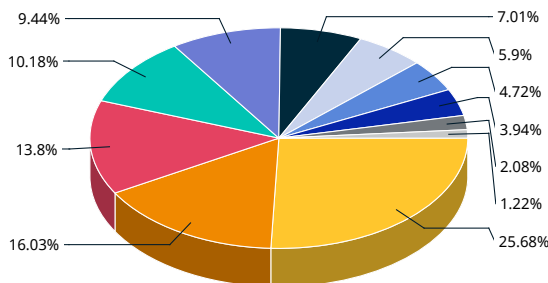
MSCI FaCS

- 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



- Information Technology 25.68%
- Health Care 16.03%
- Industrials 13.8%
- Consumer Staples 10.18%
- Financials 9.44%
- Utilities 7.01%
- Consumer Discretionary 5.9%
- Communication Services 4.72%
- Energy 3.94%
- Materials 2.08%
- Real Estate 1.22%

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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