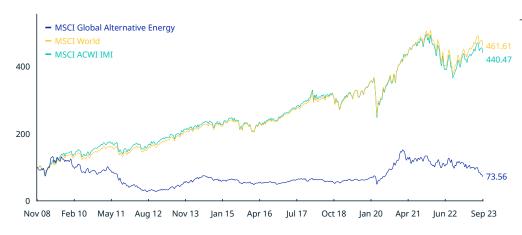
MSCI Global Alternative Energy Index (USD)

The MSCI Global Alternative Energy Index includes developed and emerging market large, mid and small cap companies that derive 50% or more of their revenues from products and services in Alternative energy.

CUMULATIVE INDEX PERFORMANCE — GROSS RETURNS (USD) (NOV 2008 — SEP 2023)



ANNUAL PERFORMANCE (%)

Year	MSCI Global Alternative Energy	MSCI World	MSCI ACWI IMI			
2022	-6.33	-17.73	-18.00			
2021	-17.39	22.35	18.71			
2020	108.54	16.50	16.81			
2019	28.77	28.40	27.04			
2018	-16.69	-8.20	-9.61			
2017	22.12	23.07	24.58			
2016	-6.54	8.15	8.96			
2015	-8.34	-0.32	-1.68			
2014	6.64	5.50	4.36			
2013	80.73	27.37	24.17			
2012	-26.19	16.54	17.04			
2011	-49.08	-5.02	-7.43			
2010	-29.31	12.34	14.87			

INDEX PERFORMANCE - GROSS RETURNS (%) (SEP 29, 2023)

FUNDAMENTALS (SEP 29, 2023)

					ANNUALIZED								
	1 Mo	3 Мо	1 Yr	YTD	3 Yr	5 Yr	10 Yr _N	Since ov 28, 2008	Div Yld (%)	P/E	P/E Fwd	P/BV	
MSCI Global Alternative Energy	-10.18	-23.92	-28.80	-33.45	-9.71	5.05	4.02	-2.05	1.59	35.54	17.53	2.28	_
MSCI World	-4.28	-3.36	22.58	11.55	8.60	7.80	8.84	10.85	2.06	19.45	16.13	2.89	
MSCI ACWI IMI	-4.17	-3.30	20.77	9.82	7.38	6.61	7.93	10.50	2.19	18.82	15.37	2.47	

INDEX RISK AND RETURN CHARACTERISTICS (SEP 29, 2023)

	ANNUALIZED STD DEV (%) 2			SHARPE RATIO 2,3				MAXIMUM DRAWDOWN		
	Turnover (%) ¹	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr	Since Nov 28, 2008	(%)	Period YYYY-MM-DD
MSCI Global Alternative Energy	10.34	29.19	28.82	23.29	-0.27	0.25	0.23	na	80.05	2009-06-11-2012-07-25
MSCI World	2.20	17.65	18.48	14.67	0.46	0.41	0.57	0.68	33.99	2020-02-12-2020-03-23
MSCI ACWI IMI	2.39	17.22	18.46	14.69	0.40	0.35	0.51	0.65	34.47	2020-02-12-2020-03-23
1		2			2					

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

The MSCI Global Alternative Energy Index was launched on Jan 20, 2009. 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.



^{*} DM countries include: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the UK and the US. EM countries include: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Pakistan, Peru, Philippines, Poland, Russia, Qatar, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

SEP 29, 2023 Index Factsheet

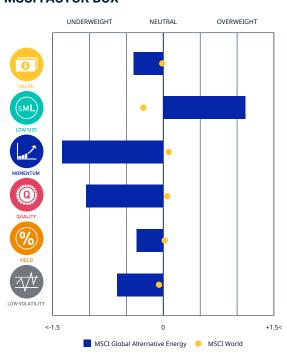
INDEX CHARACTERISTICS

MSCI Global Alternative Energy
98
Mkt Cap (USD Millions)
164,846.69
21,730.96
109.97
1,682.11
566.65

TOP 10 CONSTITUENTS

	Country	Float Adj Mkt Cap (USD Billions)	Index Wt. (%)	Sector
VESTAS WIND SYSTEMS	DK	21.73	13.18	Industrials
ENPHASE ENERGY	US	16.47	9.99	Info Tech
FIRST SOLAR	US	16.40	9.95	Info Tech
ORSTED	DK	10.34	6.27	Utilities
SOLAREDGE TECHNOLOGIES	US	7.30	4.43	Info Tech
VERBUND A	AT	5.55	3.37	Utilities
EDP RENOVAVEIS	PT	5.05	3.06	Utilities
NORTHLAND POWER	CA	4.13	2.51	Utilities
ADANI GREEN ENERGY	IN	3.77	2.28	Utilities
ORMAT TECHNOLOGIES	US	3.76	2.28	Utilities
Total		94.49	57.32	

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

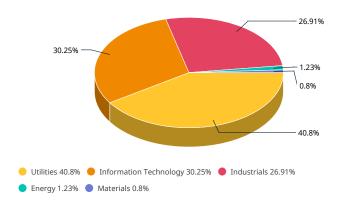


LOW VOLATILITY Lower Risk Stocks

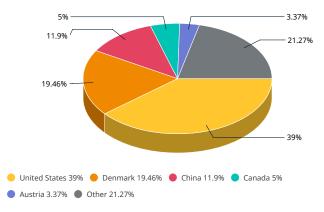
MSCI FaCS provides absolute factor exposures relative to a broad global index - MSCI ACWI IMI.

Neutral factor exposure (FaCS = 0) represents MSCI ACWI IMI.

SECTOR WEIGHTS



COUNTRY WEIGHTS





SEP 29, 2023 Index Factsheet

INDEX FRAMEWORK

The MSCI Global Environment Indexes are drawn from the universe of the MSCI ACWI IMI (Investable Market Index), a broad market benchmark of developed and emerging market large, mid and small cap securities. The Indexes are free float-adjusted market capitalization weighted indexes designed to maximize exposure to Clean Technology environmental themes. Securities of companies in the indexes derive at least 50% of their revenues from products and services from Alternative Energy, Sustainable Water, Green Building, Pollution Prevention and Energy Efficiency. The composition of the MSCI Global Environment Index is fully reviewed quarterly and the changes resulting from the quarterly index reviews are implemented as of the close of the last business day of February, May, August and November.

This summary is provided for illustrative purposes only and does not include all material elements of the index or its methodology. For a complete description of the index methodology, please see Index methodology, Please see Index methodology <a hre

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.

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