

Description

The S&P MARC 5% (Multi-Asset Risk Control) Index seeks to provide multi-asset diversification within a simple risk weighting framework, tracking three underlying component indices that represent three asset classes: equities, commodities, and fixed income. The Total Return version of the MARC 5% includes an interest rate on the cash outlay which is calculated using the Effective Fed Funds rate.

Index Attributes

The S&P MARC 5% Index is designed to track the performance of a risk-weighted portfolio consisting of three asset class. The index allocates among three asset classes based on their respective volatilities.

Methodology Construction

- **Universe.** The index seeks to track the following three indices to represent three asset classes:
 - Equities: S&P 500 Excess Return Index
 - Commodities: S&P GSCI Gold Excess Return Index
 - Fixed Income: S&P 10-Year U.S. Treasury Note Futures Excess Return Index
- **Index Calculation.** The underlying commodities and fixed income indices are calculated and published by S&P Dow Jones Indices on a daily basis as excess return indices. For purposes of the S&P MARC 5% Index, an excess return version of the S&P 500 is calculated from the S&P 500 Total Return Index and is used as the underlying equities component index. The indices are calculated using a risk-weighted approach that utilizes a maximum leverage of 150% and a 5% volatility target.

Quick Facts

WEIGHTING METHOD	Volatility-driven
REBALANCING FREQUENCY	Daily
CALCULATION FREQUENCY	End of day
CALCULATION CURRENCIES	USD
LAUNCH DATE	March 27, 2017
FIRST VALUE DATE	December 6, 1989
REGULATORY AUTHORIZATION	European Union

For more information, including the complete methodology document, please visit:
<https://www.spglobal.com/spdji/en//indices/strategy/sp-marc-5-index>

All information for an index prior to its Launch Date is back-tested, based on the methodology that was in effect on the Launch Date. Back-tested performance, which is hypothetical and not actual performance, is subject to inherent limitations because it reflects application of an Index methodology and selection of index constituents in hindsight. No theoretical approach can take into account all of the factors in the markets in general and the impact of decisions that might have been made during the actual operation of an index. Actual returns may differ from, and be lower than, back-tested returns.

Historical Performance



Performance

INDEX LEVEL	RETURNS			ANNUALIZED RETURNS			
	1 MO	3 MOS	YTD	1 YR	3 YRS	5 YRS	10 YRS
Excess Return							
387.63	0.39%	3.52%	8.43%	9.53%	6.47%	6.39%	5.54%

Calendar Year Performance

2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Excess Return									
13.7%	-3.3%	10.71%	4.32%	-2.92%	6.48%	-3.08%	5.95%	11.18%	13.17%

Risk

ANNUALIZED RISK			ANNUALIZED RISK-ADJUSTED RETURNS		
3 YRS	5 YRS	10 YRS	3 YRS	5 YRS	10 YRS
Excess Return					
5.13%	5.36%	5.37%	1.26	1.19	1.03

Risk is defined as standard deviation calculated based on total returns using monthly values.

Tickers

	TICKER	REUTERS
Excess Return	SPMARC5P	.SPMARC5P

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Sydney

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DISCLAIMER

Source: S&P Dow Jones Indices LLC.

The launch date of the S&P MARC 5% Excess Return Index was March 27, 2017.

All information presented prior to the index launch date is back-tested. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index was officially launched. Past performance is not an indication or guarantee of future results. Please see the Performance Disclosure at <http://www.spindices.com/regulatory-affairs-disclaimers/> for more information regarding the inherent limitations associated with back-tested performance.

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