

## Description

S&P 500® Currency Hedged Indices are designed to represent the returns of index strategies that involve hedging currency risk while accepting underlying equity market risk. By employing such a strategy, the index seeks to reduce the risk of downward currency fluctuations while also sacrificing potential currency gains.

## Index Attributes

The S&P 500 EUR Daily Hedged uses a currency-hedged strategy to reduce the risk of currency fluctuations, although potential currency gains may be sacrificed. We adjust the amount hedged on a daily basis.

Created in 1957, the S&P 500 was the first broad U.S. market-cap-weighted stock market index. Today, it's the basis of many listed and over-the-counter investment instruments. This world-renowned index includes 500 of the top companies in leading industries of the U.S. economy. Focusing on the large-cap segment of the market, the S&P 500 covers approximately 80% of available U.S. market cap.

## Methodology Construction

The following methodology summary is provided for convenience purposes only. For complete details, please view the methodology document at <https://www.spglobal.com/spdji/en/documents/methodologies/methodology-sp-us-indices.pdf>.

The index is a subindex of the S&P 500. The methodology snapshot that follows applies to the S&P 500.

- **Universe.** All constituents must be U.S. companies.
- **Eligibility Market Cap.** To be included, companies must have an unadjusted market cap of USD 14.6 billion or greater, and must have a float-adjusted market cap that is at least 50% of the unadjusted minimum market cap threshold.
- **Public Float.** Companies must have an investable weight factor (IWF) of at least 0.10.
- **Financial Viability.** Companies must have positive as-reported earnings over the most recent quarter, as well as over the most recent four quarters (summed together).
- **Adequate Liquidity and Reasonable Price.** Using composite pricing and volume, the ratio of annual dollar value traded (defined as average closing price over the period multiplied by historical volume) to float-adjusted market capitalization should be at least 1.00, and the stock should trade a minimum of 250,000 shares in each of the six months leading up to the evaluation date.
- **Sector Representation.** Sector balance, as measured by a comparison of each GICS® sector's weight in an index with its weight in the S&P Total Market Index, in the relevant market capitalization range, is also considered in the selection of companies for the indices.
- **Company Type.** All eligible U.S. common equities listed on eligible U.S. exchanges can be included. REITs are also eligible for inclusion. Closed-end funds, ETFs, ADRs, ADS, and certain other types of securities are ineligible for inclusion.

## Quick Facts

WEIGHTING METHOD	Float-adjusted market cap weighted
REBALANCING FREQUENCY	Quarterly in March, June, September, and December
CALCULATION FREQUENCY	End of day
CALCULATION CURRENCIES	EUR
LAUNCH DATE	August 22, 2011
FIRST VALUE DATE	January 31, 2002
REGULATORY AUTHORIZATION	European Union

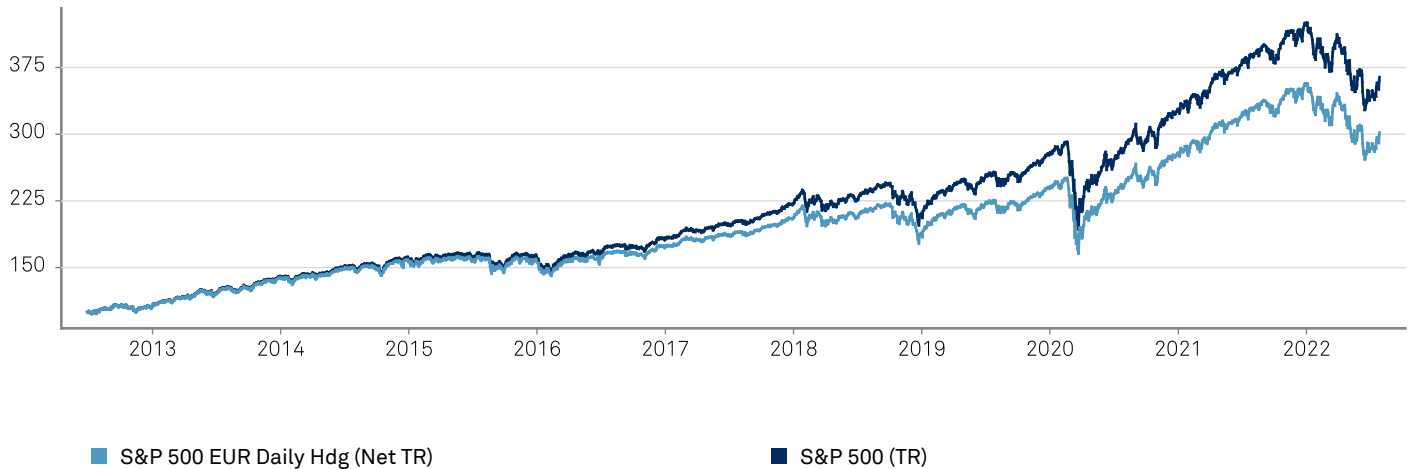
For more information, view the methodology document at <https://www.spglobal.com/spdji/en/documents/methodologies/methodology-sp-us-indices.pdf>.

All information for an index prior to its Launch Date is hypothetical back-tested, not actual performance, based on the index methodology in effect on the Launch Date. Back-tested performance reflects application of an index methodology and selection of index constituents with the benefit of hindsight and knowledge of factors that may have positively affected its performance, cannot account for all financial risk that may affect results and may be considered to reflect survivor/look ahead bias. Actual returns may differ significantly from, and be lower than, back-tested returns. Past performance is not an indication or guarantee of future results. This back-tested data may have been created using a "Backward Data Assumption". For more information on "Backward Data Assumption" and back-testing in general, please see the Performance Disclosure at the end of this material.

## Historical Performance

Depending on index launch date, all charts below may include back-tested data.

\* Data has been re-based at 100



## Performance

INDEX LEVEL	RETURNS			ANNUALIZED RETURNS			
	1 MO	3 MOS	YTD	1 YR	3 YRS	5 YRS	10 YRS
NTR Daily Hedged							
6,146.86	-8.62%	-17.01%	-20.95%	-12.38%	8.48%	8.55%	10.86%
BENCHMARK* Total Return							
7,993.43	-8.25%	-16.1%	-19.96%	-10.62%	10.6%	11.31%	12.96%
BENCHMARK* Price Return							
3,785.38	-8.39%	-16.45%	-20.58%	-11.92%	8.77%	9.33%	10.76%
BENCHMARK* Net Total Return							
6,995.73	-8.3%	-16.2%	-20.15%	-11.01%	10.05%	10.71%	12.29%

\* The index benchmark is the S&P 500

## Calendar Year Performance

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
NTR Daily Hedged										
27.11%	16.56%	26.81%	-7.68%	18.8%	9.69%	0.24%	12.8%	31.41%	15.43%	
BENCHMARK* Total Return										
28.71%	18.4%	31.49%	-4.38%	21.83%	11.96%	1.38%	13.69%	32.39%	16%	
BENCHMARK* Price Return										
26.89%	16.26%	28.88%	-6.24%	19.42%	9.54%	-0.73%	11.39%	29.6%	13.41%	
BENCHMARK* Net Total Return										
28.16%	17.75%	30.7%	-4.94%	21.1%	11.23%	0.75%	12.99%	31.55%	15.22%	

\* The index benchmark is the S&P 500

## Risk

	ANNUALIZED RISK			ANNUALIZED RISK-ADJUSTED RETURNS		
	3 YRS	5 YRS	10 YRS	3 YRS	5 YRS	10 YRS
NTR Daily Hedged						
18.69%	16.99%	13.73%	0.45	0.5	0.79	
BENCHMARK* Total Return						
18.64%	16.95%	13.7%	0.57	0.67	0.95	
BENCHMARK* Price Return						
18.62%	16.93%	13.68%	0.47	0.55	0.79	
BENCHMARK* Net Total Return						
18.63%	16.94%	13.7%	0.54	0.63	0.9	

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

\* The index benchmark is the S&P 500

## Index Characteristics

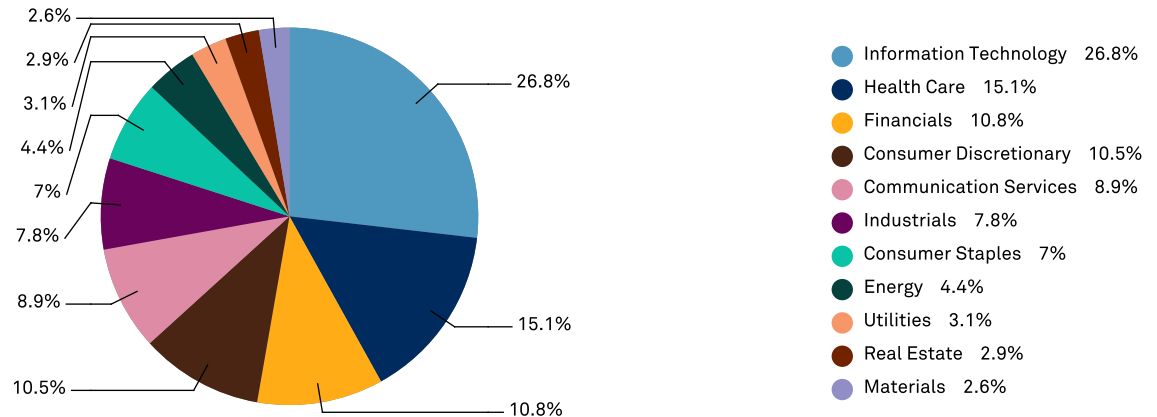
NUMBER OF CONSTITUENTS	503
CONSTITUENT MARKET	
MEAN TOTAL MARKET CAP	66,661.2
LARGEST TOTAL MARKET CAP	2,212,837.95
SMALLEST TOTAL MARKET CAP	3,134.67
MEDIAN TOTAL MARKET CAP	27,159.65
WEIGHT LARGEST CONSTITUENT [%]	6.6
WEIGHT TOP 10 CONSTITUENTS [%]	27

## Top 10 Constituents By Index Weight

CONSTITUENT	SYMBOL	SECTOR*
Apple Inc.	AAPL	Information Technology
Microsoft Corp	MSFT	Information Technology
Amazon.com Inc	AMZN	Consumer Discretionary
Alphabet Inc A	GOOGL	Communication Services
Alphabet Inc C	GOOG	Communication Services
Tesla, Inc	TSLA	Consumer Discretionary
Berkshire Hathaway B	BRK.B	Financials
Unitedhealth Group Inc	UNH	Health Care
Johnson & Johnson	JNJ	Health Care
Nvidia Corp	NVDA	Information Technology

\*Based on GICS® sectors

## Sector\* Breakdown



\*Based on GICS® sectors

The weightings for each sector of the index are rounded to the nearest tenth of a percent; therefore, the aggregate weights for the index may not equal 100%.

## Country/Region Breakdown

COUNTRY/REGION	NUMBER OF CONSTITUENTS	TOTAL MARKET CAP	INDEX WEIGHT [%]
United States	503	33,530,584.81	100

Based on index constituents' country of domicile.

## Tickers

	TICKER	REUTERS
NTR Daily Hedged	SPXDHEN	.SPXDHEN

# S&P Dow Jones Indices

A Division of **S&P Global**

**Equity**  
**S&P 500 EUR DAILY HEDGED**

AS OF JUNE 30, 2022

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## PERFORMANCE DISCLOSURE

Source: S&P Dow Jones Indices LLC.

The launch date of the S&P 500 EUR Daily Hdg (Net TR) was August 22, 2011. The launch date of the S&P 500 was March 4, 1957.

S&P Dow Jones Indices (or S&P DJI) defines various dates to assist our clients in providing transparency. The First Value Date is the first day for which there is a calculated value (either live or back-tested) for a given index. The Base Date is the date at which the index is set to a fixed value for calculation purposes. The Launch Date designates the date when the values of an index are first considered live: index values provided for any date or time period prior to the index's Launch Date are considered back-tested. S&P Dow Jones Indices defines the Launch Date as the date by which the values of an index are known to have been released to the public, for example via the company's public website or its data feed to external parties. For Dow Jones-branded indices introduced prior to May 31, 2013, the Launch Date (which prior to May 31, 2013, was termed "Date of introduction") is set at a date upon which no further changes were permitted to be made to the index methodology, but that may have been prior to the Index's public release date. Please refer to the methodology for the Index for more details about the index, including the manner in which it is rebalanced, the timing of such rebalancing, criteria for additions and deletions, as well as all index calculations.

Information presented prior to an index's launch date is hypothetical back-tested performance, not actual performance, and is based on the index methodology in effect on the launch date applied retroactively. However, when creating back-tested history for periods of market anomalies or other periods that do not reflect the general current market environment, index methodology rules may be relaxed to capture a large enough universe of securities to simulate the target market the index is designed to measure or strategy the index is designed to capture. For example, market capitalization and liquidity thresholds may be reduced. Also, forks have not been factored into the back-test data with respect to the S&P Cryptocurrency Indices. And for the S&P Cryptocurrency Top 5 & 10 Equal Weight Indices, the custody element of the methodology was not considered. Back-tested performance reflects application of an index methodology and selection of index constituents with the benefit of hindsight and knowledge of factors that may have positively affected its performance, cannot account for all financial risk that may affect results and may be considered to reflect survivor/look ahead bias. Actual returns may differ significantly from, and be lower than, back-tested returns. Past performance is not an indication or guarantee of future results.

Typically, when S&P DJI creates back-tested index data, S&P DJI uses actual historical constituent-level data (e.g., historical price, market capitalization, and corporate action data) in its calculations. As ESG investing is still in early stages of development, certain datapoints used to calculate S&P DJI's ESG indices may not be available for the entire desired period of back-tested history. The same data availability issue could be true for other indices as well. In cases when actual data is not available for all relevant historical periods, S&P DJI may employ a process of using "Backward Data Assumption" (or pulling back) of ESG data for the calculation of back-tested historical performance. "Backward Data Assumption" is a process that applies the earliest actual live data point available for an index constituent company to all prior history of index performance. For example, Backward Data Assumption inherently assumes that companies currently not involved in a specific business activity (also known as "product involvement") were never involved historically and similarly also assumes that companies currently involved in a specific business activity were involved historically too. The Backward Data Assumption allows the hypothetical back-test to be extended over more historical years than would be feasible using only actual data. For more information on "Backward Data Assumption", please see <https://www.spglobal.com/spdji/en/documents/education/faq-spdji-esg-back-testing-backward-data-assumption-overview.pdf>. The methodology and factsheets of any index that employs backward assumption in the back-tested history will explicitly state so. The methodology will include an Appendix with a table setting forth the specific data points and relevant time period for which backward projected data was used.

Index returns shown do not represent the results of actual trading of investable assets/securities. S&P Dow Jones Indices maintains the index and calculates the index levels and performance shown or discussed but does not manage actual assets. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the Index or investment funds that are intended to track the performance of the Index. The imposition of these fees and charges would cause actual and back-tested performance of the securities/fund to be lower than the Index performance shown. As a simple example, if an index returned 10% on a US \$100,000 investment for a 12-month period (or US \$10,000) and an actual asset-based fee of 1.5% was imposed at the end of the period on the investment plus accrued interest (or US \$1,650), the net return would be 8.35% (or US \$8,350) for the year. Over a three-year period, an annual 1.5% fee taken at year end with an assumed 10% return per year would result in a cumulative gross return of 33.10%, a total fee of US \$5,375, and a cumulative net return of 27.2% (or US \$27,200).

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