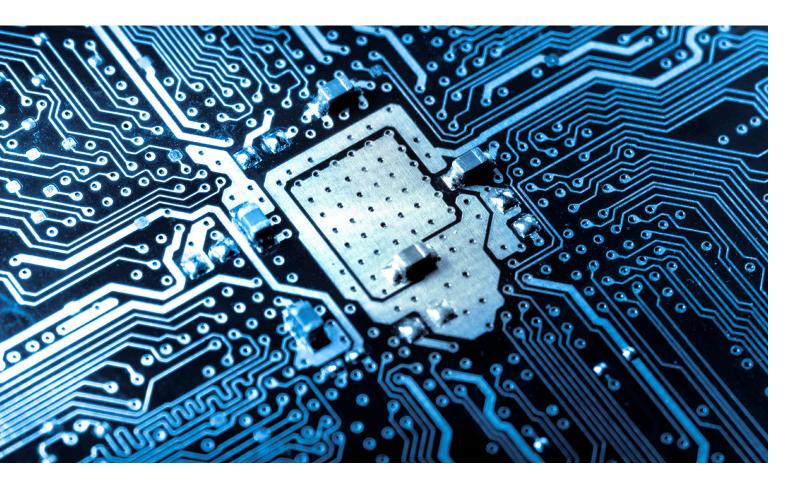
# S&P 500 IQ Index

Charting a "Smarter" Path to the S&P 500



S&P Dow Jones Indices

A Division of S&P Global

# The S&P 500 IQ Index

The S&P 500 IQ Index ("S&P 500 IQ 0.5% Decrement Index (USD) ER") seeks to provide long-term returns similar to the S&P 500 with a more stable volatility experience.

This next generation volatility management solution provides two potential benefits:

 Allows the index to be more agile in responding to market movements. - Provides a more stable volatility experience.

Unlike a traditional daily risk control index that rebalances on a 2-3-day lag using EOD volatility observations, the S&P 500 IQ Index measures intraday volatility over a single 5-minute window during the day for same day rebalancing. The use of intraday rebalancing aims to provide more precise volatility control that has historically outperformed a traditional risk control index based on back-tested data.

## **Key Characteristics**

- Dynamically adjusts S&P 500 allocation based on prevailing market conditions
- Rebalances same day to react more quickly to market movements
- Similar long-term performance with more stable volatility vs. the S&P 500 historically
- 15% volatility target allows for potentially higher equity exposure

## How Does the S&P 500 IQ Index Work?



Measures volatility daily between **3:25 and 3:30 PM ET** 



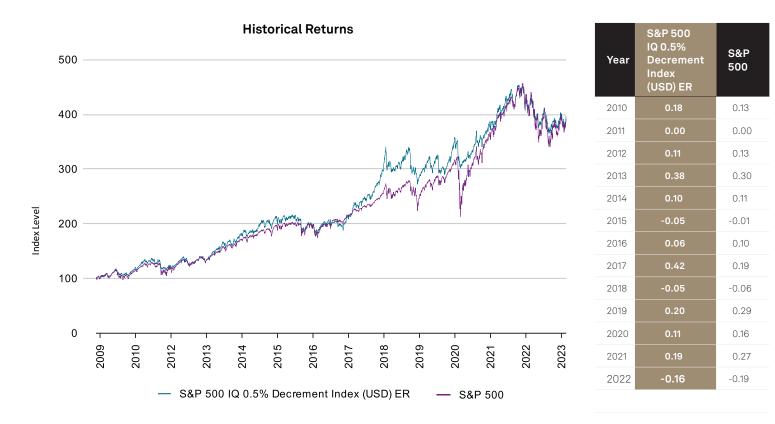
Adjusts allocation to **S&P 500** at market close based on **intraday volatility measurement** 



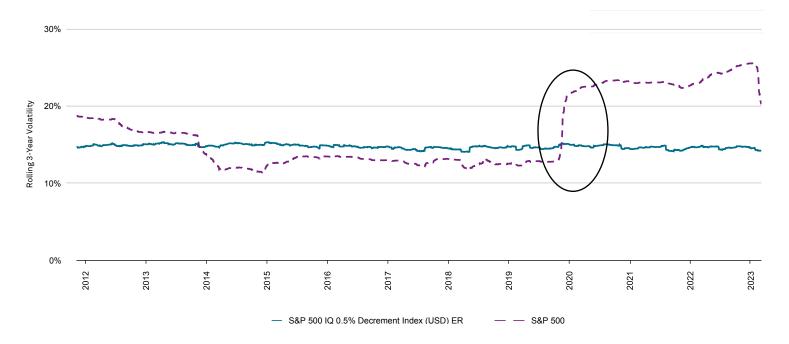
Reweights as needed at end of day to achieve **15% volatility target** 

When intraday volatility is running below the 15% volatility target, the index increases its exposure to the 500<sup>™</sup>, up to a maximum leverage of 200%, to increase potential upside. When volatility is running above-target, the index decreases its exposure to the 500 to protect against potential downside.

#### Back-Tested Historical Performance of the S&P 500 IQ Index



#### **Rolling 3-Year Volatility**



Source: S&P Dow Jones Indices LLC. Data from Sept. 24, 2012, to March 31, 2023. Index performance based excess returns in USD. The S&P 500 IQ 0.5% Decrement Index (USD) ER was launched July 12, 2023. All data prior to index launch date is back-tested hypothetical data. Past performance is no guarantee of future results. Charts are provided for illustrative purposes and reflect hypothetical historical performance. Please see the Performance Disclosure at the end of this document for more information regarding the inherent limitations associated with back-tested performance. Because this index applies a volatility control mechanism, the range of both positive and negative performance of the Index is limited.

#### Performance Disclosure/Back-tested Data

The S&P 500 IQ 0.5% Decrement Index (USD) ER was launched July 12, 2023. All information presented prior to an index's Launch Date is hypothetical (back-tested), not actual performance, and is based on the index methodology in effect on the index launch date. 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. In addition, forks have not been factored into the back-test data with respect to the S&P Cryptocurrency Indices. For the S&P Cryptocurrency Indices. For the S&P Cryptocurrency Indices, the custody element of the methodology was not considered; the back-test history is based on the index constituents that meet the custody element as of the Launch Date. Complete index methodology details are available at <u>www.spglobal.com/spdji</u>. 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.

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. Back-tested performance is for use with institutions only; not for use with retail investors.

S&P Dow Jones Indices 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.

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 historical instances in the 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 on "Backward Data Assumption" please refer to the FAQ. 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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