

## Market-Linked Products Underlier

# S&P 500<sup>®</sup> Index

Market-Linked Products, considered complex investments, may be linked to the performance of an underlying asset, such as the S&P 500<sup>®</sup> Index (“Index”). Dividends paid on the underlier are not passed through to the Market-Linked Product. If held to maturity, any potential coupon payments or gains will be paid out based on the performance of the Index, as detailed in the offering documents. Additionally, your statement value will reflect any upward or downward movements in the volatility of the Index.

## S&P 500<sup>®</sup> Index – historical look at gains & losses

The chart below illustrates the **number of times** the index’s return, measured from the beginning to the end of different time periods within the past 35 years, landed within various return ranges.

	Total Rolling Periods	Total Gains	Total Losses	0 to -5%	-6 to -10%	-11 to -15%	-16 to -20%	-21 to -25%	-26 to -30%	-31 to -35%	-36 to -40%	< -40%	0% to 10%	11 to 20%	21 to 30%	31 to 40%	> 40%
1-Yr	408	323	85	23	13	14	13	8	6	1	4	3	107	123	64	22	7
3-Yr	384	314	70	9	7	6	5	12	11	10	7	3	19	24	68	73	130
5-Yr	360	276	84	12	26	20	17	6	2	0	1	0	16	8	13	8	231
7-Yr	336	318	18	7	4	1	1	2	1	2	0	0	33	38	29	17	201
10-Yr	300	272	28	0	2	2	4	10	4	2	3	1	9	7	7	2	247

The chart below illustrates the **percentage of times**<sup>1</sup> (based on total rolling periods) the index’s return, measured from the beginning to the end of different time periods within the past 35 years, landed within various return ranges.

	Total Rolling Periods	Total Gains	Total Losses	0 to -5%	-6 to -10%	-11 to -15%	-16 to -20%	-21 to -25%	-26 to -30%	-31 to -35%	-36 to -40%	< -40%	0% to 10%	11 to 20%	21 to 30%	31 to 40%	> 40%
1-Yr	408	79%	21%	6%	3%	4%	3%	2%	1%	0%	1%	1%	26%	30%	16%	5%	2%
3-Yr	384	81%	19%	2%	2%	2%	1%	3%	3%	3%	2%	1%	5%	6%	17%	19%	34%
5-Yr	360	76%	24%	3%	7%	6%	5%	2%	1%	0%	0%	0%	4%	2%	4%	2%	64%
7-Yr	336	95%	5%	2%	1%	0%	0%	1%	0%	1%	0%	0%	10%	11%	9%	5%	60%
10-Yr	300	91%	9%	0%	1%	1%	1%	3%	1%	1%	1%	0%	3%	2%	2%	1%	83%

Source: Bloomberg. The charts above represent various rolling periods in the past 35 years with monthly observations commencing on December 29, 1989 and ending on December 31, 2024. The S&P 500<sup>®</sup> Index is an unmanaged group of securities and is considered to be representative of the U.S. stock market, in general. The gains and losses reflect the monthly price of each index only, and therefore, do not include dividends. These charts are for illustrative purposes only. Any investment cannot be made directly in an index. Past performance is no guarantee of future results.

<sup>1</sup> The above percentages have been expressed on a whole number basis for illustrative purposes.

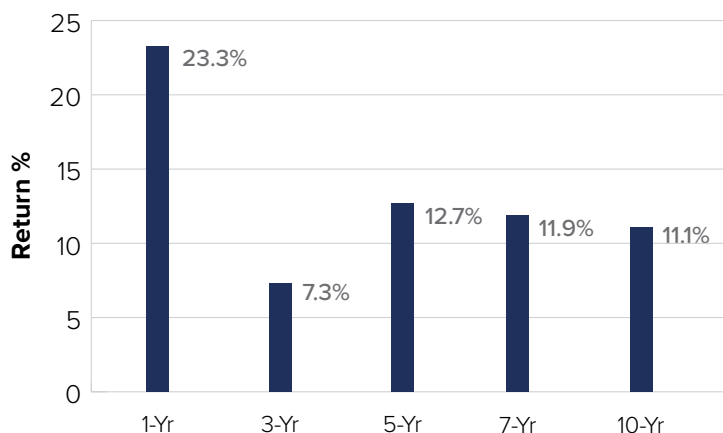
# S&P 500® Index

## Index information<sup>2</sup>

<b>Launch date</b>	March 4, 1957	
<b>Ticker</b>	SPX	
<b>Stocks</b>	500	
<b>Sector weightings</b>	Information Technology	<b>32.5%</b>
	Financials	<b>13.6%</b>
	Consumer Discretionary	<b>11.3%</b>
	Health Care	<b>10.1%</b>
	Communications Services	<b>9.4%</b>
	Industrials	<b>8.2%</b>
	Consumer Staples	<b>5.5%</b>
	Energy	<b>3.2%</b>
	Real Estate	<b>2.1%</b>
	Materials	<b>1.9%</b>
	Utilities	<b>2.3%</b>

- Provides a broad snapshot of the overall U.S. equity market
- Covering approximately 80% of available market capitalization<sup>3</sup>
- Includes 500 of the top U.S. companies that trade on the NYSE and Nasdaq, and are measured by market capitalization

## Trailing returns as of December 31, 2024<sup>4</sup>



The graph above illustrates the Index's price return during the trailing 1-, 3-, 5-, 7-, and 10-year given periods.

<sup>2</sup> Source: Bloomberg as of December 31, 2024, as determined as if there is one share per member.

<sup>3</sup> Source: S&P Dow Jones Indices as of December 31, 2024.

<sup>4</sup> Source: Bloomberg as of December 31, 2024. This chart is for illustrative purposes only. An investment cannot be made directly in an index. Past performance is no guarantee of future results. Returns for greater than 1 year are expressed in terms of compounded average annual returns. Returns do not include dividends, sales charges or management, administrative and other fees.



**Speak with your financial professional** about the risks and suitability of Market-Linked Products in your portfolio.



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