

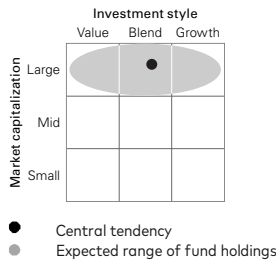
# Vanguard® S&P 500 ETF

## Investment Approach

Seeks to track the performance of the S&P 500 Index.  
 Large-cap equity.  
 Employs a passively managed, full-replication strategy.  
 Fund remains fully invested.  
 Low expenses minimize net tracking error.

## Vanguard Style View: Large Blend

Index portfolio of large-capitalization stocks diversified across investment styles.



## Quarterly Commentary

Major stock markets continued to advance in the first quarter of 2024, with a number of indexes reaching record highs. In the U.S., inflation readings came in higher than expected, but the labor market stayed on a solid footing, consumer spending remained strong, and the economy showed continued vigor. Given this backdrop, the Federal Reserve left interest rates unchanged.

Global stocks returned just shy of 8% for the quarter, as measured by the FTSE Global All Cap Index. U.S. equities led the way, while those in emerging markets lagged but still finished in positive territory.

With rate cuts looking less imminent, bond yields generally rose and prices declined. The broad U.S. investment-grade bond market returned -0.72% (as measured by the Bloomberg U.S. Aggregate Float Adjusted Index).

The Standard & Poor's 500 Index returned 10.56% for the three months ended March 31.

The top contributors were information technology (+12.7%), financials (+12.5%), and communication services (+15.8%).

The lone detractor was real estate (-0.6%).

For the 12 months ended March 31, the index returned 29.88%. The largest contributors were IT (+46.0%), financials (+33.6%), and communication services (+50.1%). Utilities (+0.42%) marginally detracted.

## People and Process

Vanguard S&P 500 ETF seeks to track the investment performance of the S&P 500 Index, a widely recognized benchmark of U.S. stock market performance that is dominated by the stocks of large U.S. companies. Vanguard S&P 500 ETF is an exchange-traded share class of Vanguard 500 Index Fund. Using full replication, the portfolio holds all stocks in the same capitalization weighting as the index. The experience and stability of Vanguard's Equity Index Group have permitted continuous refinement of techniques for reducing tracking error. The group uses proprietary software to implement trading decisions that accommodate cash flow and maintain close correlation with index characteristics. Vanguard's refined indexing process, combined with low management fees and efficient trading, has provided tight tracking, net of expenses.

## Vanguard Equity Index Group

Launched in 1975, The Vanguard Group, Malvern, Pennsylvania, is among the world's largest equity and fixed income managers. As chief investment officer, Gregory Davis, CFA, oversees Vanguard's Equity Index, Investment Strategy, Quantitative Equity, and Fixed Income Groups. Rodney Comegys, Principal and global head of Vanguard's Equity Index Group, is responsible for all equity index funds. The Equity Index Group manages indexed equity portfolios covering U.S. and international markets. It has developed sophisticated portfolio construction methodologies and efficient trading strategies that seek to deliver returns that are highly correlated with target portfolio benchmarks. The group has advised Vanguard S&P 500 ETF since 2010.

## Investment Manager Biographies

Michelle Louie, CFA, Principal. Portfolio manager. Advised the fund since 2017. Worked in investment management since 2011. B.S., The American University. M.B.A., Georgia Institute of Technology.

Aaron Choi, CFA. Portfolio manager. Advised the fund since 2023. Worked in investment management since 2015. B.S., Pennsylvania State University.

Nick Birkett, CFA. Portfolio manager. Advised the fund since 2023. Worked in investment management since 2005. BSc, University of Bath.

**Total Returns**

	Expense Ratio	Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years
S&P 500 ETF (9/7/2010)	0.03%						
Net Asset Value	—	10.55%	10.55%	29.85%	11.45%	15.01%	12.92%
Market Price	—	10.45	10.45	29.83	11.42	15.00	12.91
S&P 500 Index	—	10.56	10.56	29.88	11.49	15.05	12.96

**The performance data shown represent past performance, which is not a guarantee of future results. Investment returns and principal value will fluctuate, so investors' shares, when sold, may be worth more or less than their original cost. Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at [vanguard.com/performance](http://vanguard.com/performance). The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index.** Figures for periods of less than one year are cumulative returns. All other figures represent average annual returns. Performance figures include the reinvestment of all dividends and any capital gains distributions. All returns are net of expenses.

Market price returns are calculated using the midpoint between the bid and offer price at the time NAV is calculated, typically 4 p.m., Eastern time.

**Quarterly Returns**

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Year-End		
					S&P 500 ETF	S&P 500 Index	Assets (Millions)
2024	10.55%	—	—	—	—	—	\$435,882
2023	7.48	8.73%	-3.28%	11.69%	26.25%	26.29%	372,051
2022	-4.61	-16.11	-4.90	7.55	-18.15	-18.11	262,211
2021	6.17	8.54	0.57	11.01	28.66	28.71	279,850
2020	-19.63	20.54	8.93	12.15	18.35	18.40	177,991
2019	13.64	4.30	1.70	9.06	31.46	31.49	130,728
2018	-0.78	3.42	7.70	-13.51	-4.42	-4.38	90,639
2017	6.05	3.07	4.47	6.64	21.78	21.83	83,640
2016	1.34	2.44	3.85	3.82	11.93	11.96	56,648
2015	0.94	0.28	-6.46	7.03	1.35	1.38	40,440
2014	1.80	5.22	1.12	4.91	13.63	13.69	27,630

**Recent Dividends and Distributions**

Ex-Dividend Date	Income	Total Dividend
March 25, 2024	\$1.54	\$1.54
December 21, 2023	1.80	1.80
September 29, 2023	1.49	1.49
June 30, 2023	1.58	1.58
March 27, 2023	1.49	1.49
December 21, 2022	1.67	1.67
September 29, 2022	1.47	1.47
June 30, 2022	1.43	1.43
March 25, 2022	1.37	1.37
December 22, 2021	1.53	1.53
September 30, 2021	1.31	1.31
June 30, 2021	1.33	1.33

**Volatility Measures**

	R-Squared	Beta
S&P 500 Index	1.00	1.00
DJ US Total Stock Mkt Float Adj Idx	0.99	0.98

R-squared and beta are calculated from trailing 36-month fund returns relative to the associated benchmark.

**Fund Facts**

Fund Number	0968
Ticker	VOO
Intra-day Ticker	VOO.IV
Benchmark Ticker	SPTR
CUSIP Number	922908363
Assets (millions)	\$435,882
Inception	9/7/2010
Expense Ratio (as of 4/2023)	0.03%

**Equity Characteristics**

	S&P 500 ETF	S&P 500 Index
Number of stocks	505	504
Median market cap	\$224.7 Billion	\$224.7 Billion
Average market cap	\$804.3 Billion	\$803.7 Billion
Price/earnings ratio	26.1x	26.1x
Price/book ratio	4.5x	4.5x
Return on equity	24.6%	24.6%
Earnings growth rate	13.9%	13.9%
Equity yield (dividend)	1.3%	1.3%
Foreign holdings	0.0%	0.0%
Short-term reserves	0.0%	—
Turnover rate (fiscal year end)	2.2%	—

**Sector Diversification (% of Stocks)**

	S&P 500 ETF	S&P 500 Index	Overweight/ Underweight
Communication Services	8.9%	8.9%	0.0
Consumer Discretionary	10.3	10.3	0.0
Consumer Staples	6.0	6.0	0.0
Energy	4.0	3.9	0.1
Financials	13.1	13.2	-0.1
Health Care	12.4	12.4	0.0
Industrials	8.8	8.8	0.0
Information Technology	29.6	29.6	0.0
Materials	2.4	2.4	0.0
Other	0.0	0.0	0.0
Real Estate	2.3	2.3	0.0
Utilities	2.2	2.2	0.0
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	

Sector categories are based on the Global Industry Classification Standard ("GICS"), except for the "Other" category (if applicable), which includes securities that have not been provided a GICS classification as of the effective reporting period.

**Top 10 Largest Holdings**

	% of Total Net Assets
Microsoft Corp.	7.1%
Apple Inc.	5.6
NVIDIA Corp.	5.1
Amazon.com Inc.	3.7
Alphabet Inc.	3.7
Meta Platforms Inc.	2.4
Berkshire Hathaway Inc.	1.7
Eli Lilly & Co.	1.4
Broadcom Inc.	1.3
JPMorgan Chase & Co.	1.3
<b>Total</b>	<b>33.3%</b>

The holdings listed exclude any temporary cash investments and equity index products.

## Important information

**For more information about Vanguard funds or Vanguard ETFs, visit [vanguard.com](https://www.vanguard.com) or call 800-523-1036 to obtain a prospectus or, if available, a summary prospectus. Investment objectives, risks, charges, expenses, and other important information are contained in the prospectus; read and consider it carefully before investing.**

**Vanguard ETF Shares are not redeemable with the issuing Fund other than in very large aggregations worth millions of dollars. Instead, investors must buy or sell Vanguard ETF Shares in the secondary market and hold those shares in a brokerage account. In doing so, the investor may incur brokerage commissions and may pay more than net asset value when buying and receive less than net asset value when selling.**

All investing is subject to risk, including the possible loss of the money you invest.

Please remember that all investments involve some risk. Be aware that fluctuations in the financial markets and other factors may cause declines in the value of your account. There is no guarantee that any particular asset allocation or mix of funds will meet your investment objectives or provide you with a given level of income. Diversification does not ensure a profit or protect against a loss. Funds that concentrate on a relatively narrow market sector face the risk of higher share-price volatility.

Investments in bond funds and ETFs are subject to interest rate, credit, and inflation risk. Although the income from a municipal bond fund is exempt from federal tax, you may owe taxes on any capital gains realized through the fund's trading or through your own redemption of shares. For some investors, a portion of the fund's income may be subject to state and local taxes, as well as to the federal Alternative Minimum Tax.

High-yield bonds generally have medium- and lower-range credit quality ratings and are therefore subject to a higher level of credit risk than bonds with higher credit quality ratings.

The Factor Funds are subject to investment style risk, which is the chance that returns from the types of stocks in which a Factor Fund invests will trail returns from U.S. stock markets. The Factor Funds are also subject to manager risk, which is the chance that poor security selection will cause a Factor Fund to underperform its relevant benchmark or other funds with a similar investment objective, and sector risk, which is the chance that significant problems will affect a particular sector in which a Factor Fund invests, or that returns from that sector will trail returns from the overall stock market.

Investments in derivatives may involve risks different from, and possibly greater than, those of investments in the underlying securities or assets.

London Stock Exchange Group companies includes FTSE International Limited ("FTSE"), Frank Russell Company ("Russell"), MTS Next Limited ("MTS"), and FTSE TMX Global Debt Capital Markets Inc ("FTSE TMX"). All rights reserved. "FTSE", "Russell", "MTS", "FTSE TMX" and "FTSE Russell" and other service marks and trademarks related to the FTSE or Russell indexes are trade marks of the London Stock Exchange Group companies and are used by FTSE, MTS, FTSE TMX and Russell under licence. All information is provided for information purposes only. No responsibility or liability can be accepted by the London Stock Exchange Group companies nor its licensors for any errors or for any loss from use of this publication. Neither the London Stock Exchange Group companies nor any of their licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the results to be obtained from the use of the index or the fitness or suitability of the index for any particular purpose to which it might be put.

The funds or securities referred to herein are not sponsored, endorsed, or promoted by MSCI, and MSCI bears no liability with respect to any such funds or securities. The prospectus or the Statement of Additional Information contains a more detailed description of the limited relationship MSCI has with Vanguard and any related funds.

The index is a product of S&P Dow Jones Indices LLC, a division of S&P Global, or its affiliates ("SPDJ"), and has been licensed for use by Vanguard. Standard & Poor's® and S&P® are registered trademarks of Standard & Poor's Financial Services LLC, a division of S&P Global ("S&P"); Dow Jones® is a registered trademark of Dow Jones Trademark Holdings LLC ("Dow Jones"); and these trademarks have been licensed for use by SPDJ and sublicensed for certain purposes by Vanguard. Vanguard products are not sponsored, endorsed, sold or promoted by SPDJ, Dow Jones, S&P, or their respective affiliates and none of such parties make any representation regarding the advisability of investing in such product(s) nor do they have any liability for any errors, omissions, or interruptions of the index.

The Russell Indexes and Russell® are registered trademarks of Russell Investments and have been licensed for use by The Vanguard Group. The products are not sponsored, endorsed, sold or promoted by Russell Investments and Russell Investments makes no representation regarding the advisability of investing in the products.

CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.

"Dividend Achievers" is a trademark of The NASDAQ OMX Group, Inc. (collectively, with its affiliates, "NASDAQ OMX") and has been licensed for use by The Vanguard Group, Inc. Vanguard mutual funds are not sponsored, endorsed, sold, or promoted by NASDAQ OMX and NASDAQ OMX makes no representation regarding the advisability of investing in the funds. NASDAQ OMX MAKES NO WARRANTIES AND BEARS NO LIABILITY WITH RESPECT TO THE VANGUARD MUTUAL FUNDS.

"Bloomberg" is a service mark of Bloomberg Finance L.P. and its affiliates, including Bloomberg Index Services Limited ("BISL"), the administrator of the index (collectively, "Bloomberg") and have been licensed for use for certain purposes by Vanguard. Bloomberg is not affiliated with Vanguard, and Bloomberg does not approve, endorse, review, or recommend the products. Bloomberg does not guarantee the timeliness, accurateness, or completeness of any data or information relating to the products.

"Bloomberg" and "Bloomberg Commodity Index Total Return<sup>SM</sup>" are service marks of Bloomberg Index Services Limited and its affiliates (collectively, "Bloomberg") and have been licensed for use for certain purposes by Vanguard. Neither Bloomberg nor UBS Securities LLC and its affiliates (collectively, "UBS") are affiliated with Vanguard, and Bloomberg and UBS do not approve, endorse, review, or recommend Vanguard Commodity Strategy Fund. Neither Bloomberg nor UBS guarantees the timeliness, accurateness, or completeness of any data or information relating to Bloomberg Commodity Index Total Return.

*The Global Industry Classification Standard ("GICS") was developed by and is the exclusive property and a service mark of MSCI Inc. ("MSCI") and Standard and Poor's, a division of McGraw-Hill Companies, Inc. ("S&P") and is licensed for use by Vanguard. Neither MSCI, S&P nor any third party involved in making or compiling the GICS or any GICS classification makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of its affiliates or any third party involved in making or compiling the GICS or any GICS classification have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.*

CGS identifiers have been provided by CUSIP Global Services, managed on behalf of the American Bankers Association by Standard & Poor's Financial Services, LLC, and are not for use or dissemination in a manner that would serve as a substitute for any CUSIP service. The CUSIP Database, © 2024 American Bankers Association. "CUSIP" is a registered trademark of the American Bankers Association.

U.S. government backing of Treasury or agency securities applies only to the underlying securities and does not prevent share-price fluctuations. Unlike stocks and bonds, U.S. Treasury bills are guaranteed as to the timely payment of principal and interest.

Investments in stocks or bonds issued by non-U.S. companies are subject to risks including country/regional risk and currency risk. These risks are especially high in emerging markets.

Investments in Target Retirement Funds are subject to the risks of their underlying funds. The year in the Fund name refers to the approximate year (the target date) when an investor in the Fund would retire and leave the work force. The Fund will gradually shift its emphasis from more aggressive investments to more conservative ones based on its target date. The Income Fund has a fixed investment allocation and is designed for investors who are already retired. An investment in the Target Retirement Fund is not guaranteed at any time, including on or after the target date.

Center for Research in Security Prices, LLC (CRSP®) and its third-party suppliers have exclusive proprietary rights in the CRSP® Index Data, which has been licensed for use by Vanguard but is and shall remain valuable intellectual property owned by, and/or licensed to, CRSP®. The Vanguard Funds are not sponsored, endorsed, sold or promoted by CRSP®, The University of Chicago, or The University of Chicago Booth School of Business and neither CRSP®, The University of Chicago, or The University of Chicago Booth School of Business, make any representation regarding the advisability of investing in the Vanguard Funds.