

S&P Dow Jones Indices

A Division of **S&P Global**

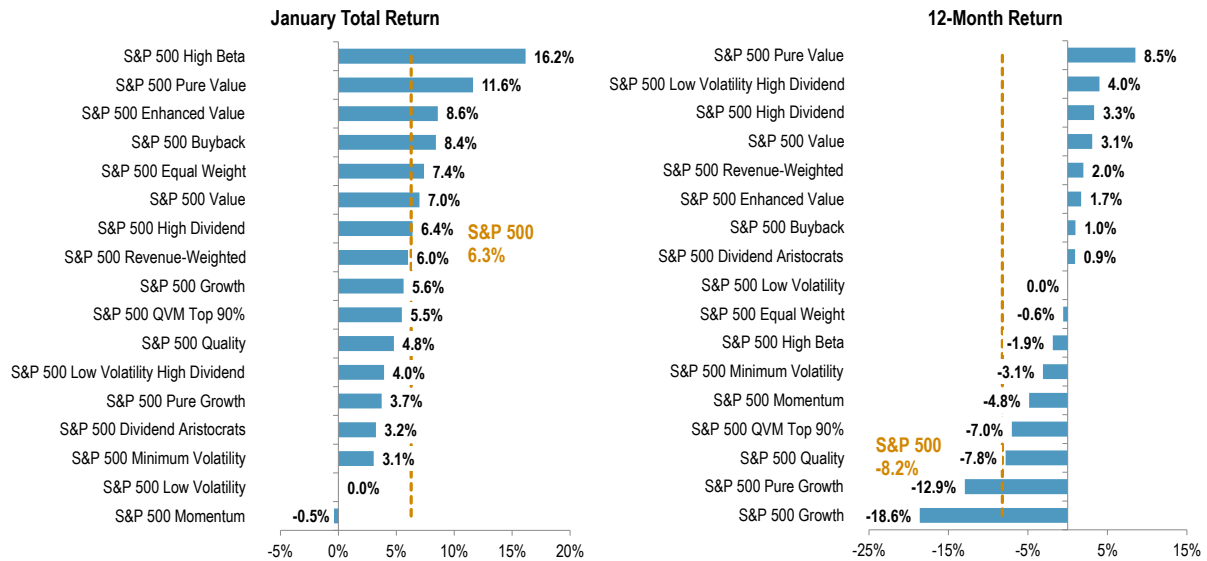
CORE PRODUCT MANAGEMENT: FACTORS

SPDJ-CoreFactorIndices@spglobal.com

Index Dashboard: S&P 500® Factor Indices

January 2023

MONTHLY AND YTD PERFORMANCE SUMMARY



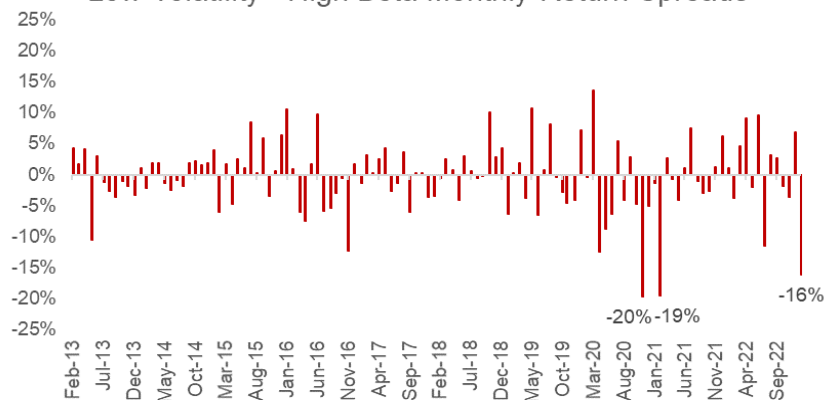
COMMENTARY

The market rallied robustly in January, as the S&P 500 gained 6.3%. With only one exception, our featured factor indices also rose, led by High Beta's 16.2% return.

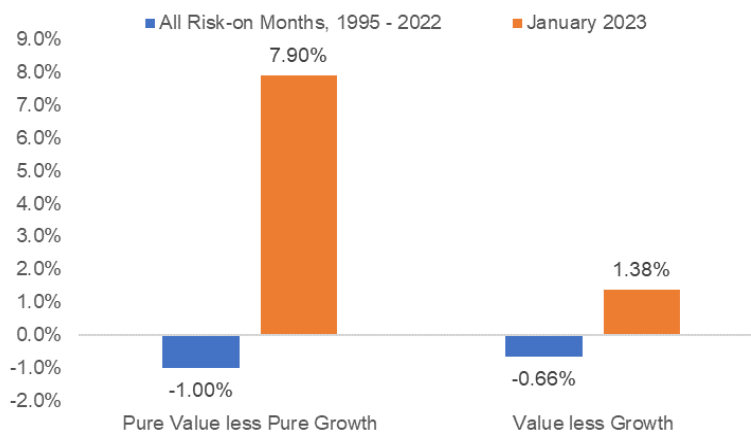
There may not be a canonical definition of "risk on" and "risk off," but we'll offer a heuristic candidate: If High Beta outperforms Low Volatility, we are in a risk-on period. By that definition, 2022 (when Low Volatility beat High Beta by 15.7%) was clearly a risk-off interval. Just as clearly, January 2023 was a risk-on environment, as High Beta outpaced Low Volatility by 16.1%.

Our first chart shows that January's spread between Low Volatility and High Beta was the third-lowest reading in the last 10 years, a decidedly positive view of the market's appetite for risk.

Low Volatility - High Beta Monthly Return Spreads



Continued Strength of Value



We have commented for much of last year on the strength of Value's performance relative to Growth, and that strength continued in January. In itself that is not necessarily remarkable. What is remarkable is the confluence of strong Value performance in a risk-on environment, as our second chart shows.

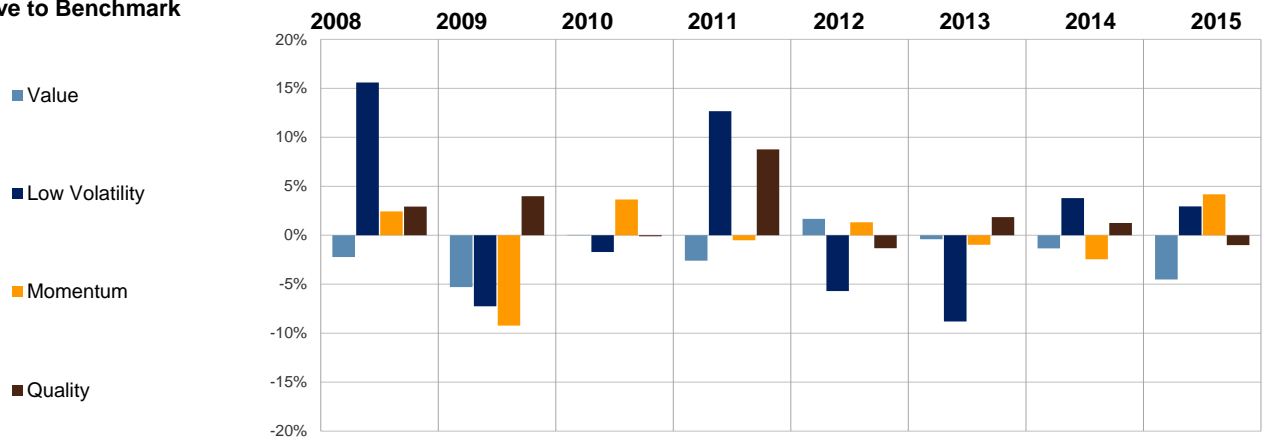
Our data on Value and Growth extend to mid-1995, for a total of 330 months ending in December 2022. High Beta outperformed Low Volatility in 161 of those months. In approximately 60% of those risk-on months, Value and Pure Value underperformed Growth and Pure Growth, respectively. Yet in January, the value indices continued to dominate their growth counterparts, with Pure Value second only to High Beta in the month's league table.

ANNUAL PERFORMANCE

Core factor performance by calendar year, 2008-present:

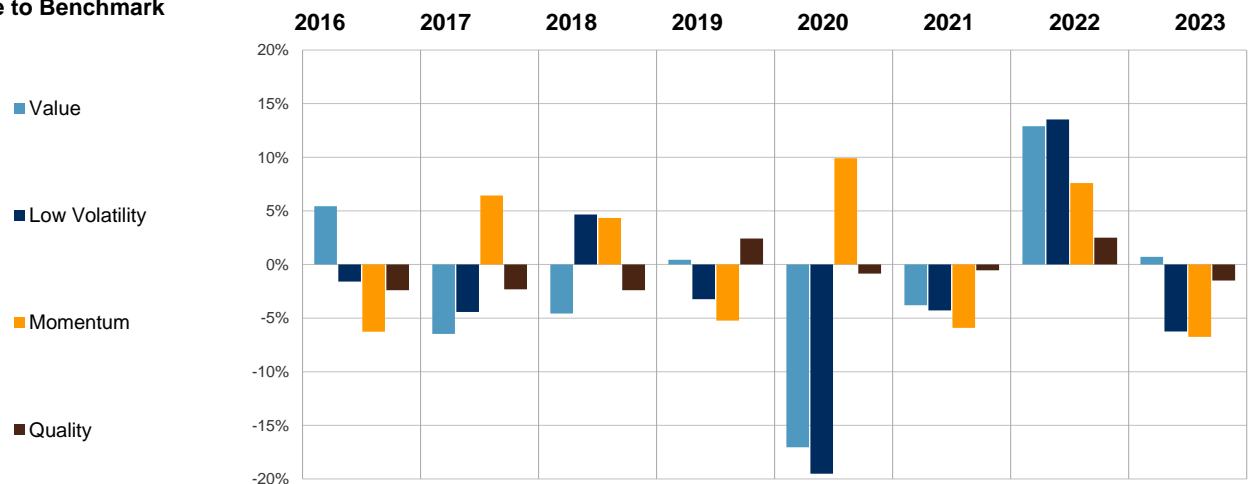
| Total Return | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|
| Value | -39.22% | 21.18% | 15.10% | -0.48% | 17.68% | 31.99% | 12.36% | -3.13% |
| Low Volatility | -21.41% | 19.22% | 13.36% | 14.78% | 10.30% | 23.59% | 17.49% | 4.34% |
| Momentum | -34.56% | 17.24% | 18.72% | 1.60% | 17.33% | 31.42% | 11.23% | 5.56% |
| Quality | -34.06% | 30.46% | 14.95% | 10.89% | 14.68% | 34.24% | 14.95% | 0.38% |
| S&P 500 | -37.00% | 26.46% | 15.06% | 2.11% | 16.00% | 32.39% | 13.69% | 1.38% |

Relative to Benchmark



| Total Return | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|----------------|--------|--------|--------|--------|--------|--------|---------|--------|
| Value | 17.40% | 15.36% | -8.95% | 31.93% | 1.36% | 24.90% | -5.22% | 7.00% |
| Low Volatility | 10.37% | 17.41% | 0.27% | 28.26% | -1.11% | 24.42% | -4.59% | 0.03% |
| Momentum | 5.70% | 28.27% | -0.04% | 26.25% | 28.32% | 22.79% | -10.51% | -0.47% |
| Quality | 9.56% | 19.51% | -6.79% | 33.91% | 17.55% | 28.16% | -15.62% | 4.79% |
| S&P 500 | 11.96% | 21.83% | -4.38% | 31.49% | 18.40% | 28.71% | -18.11% | 6.28% |

Relative to Benchmark



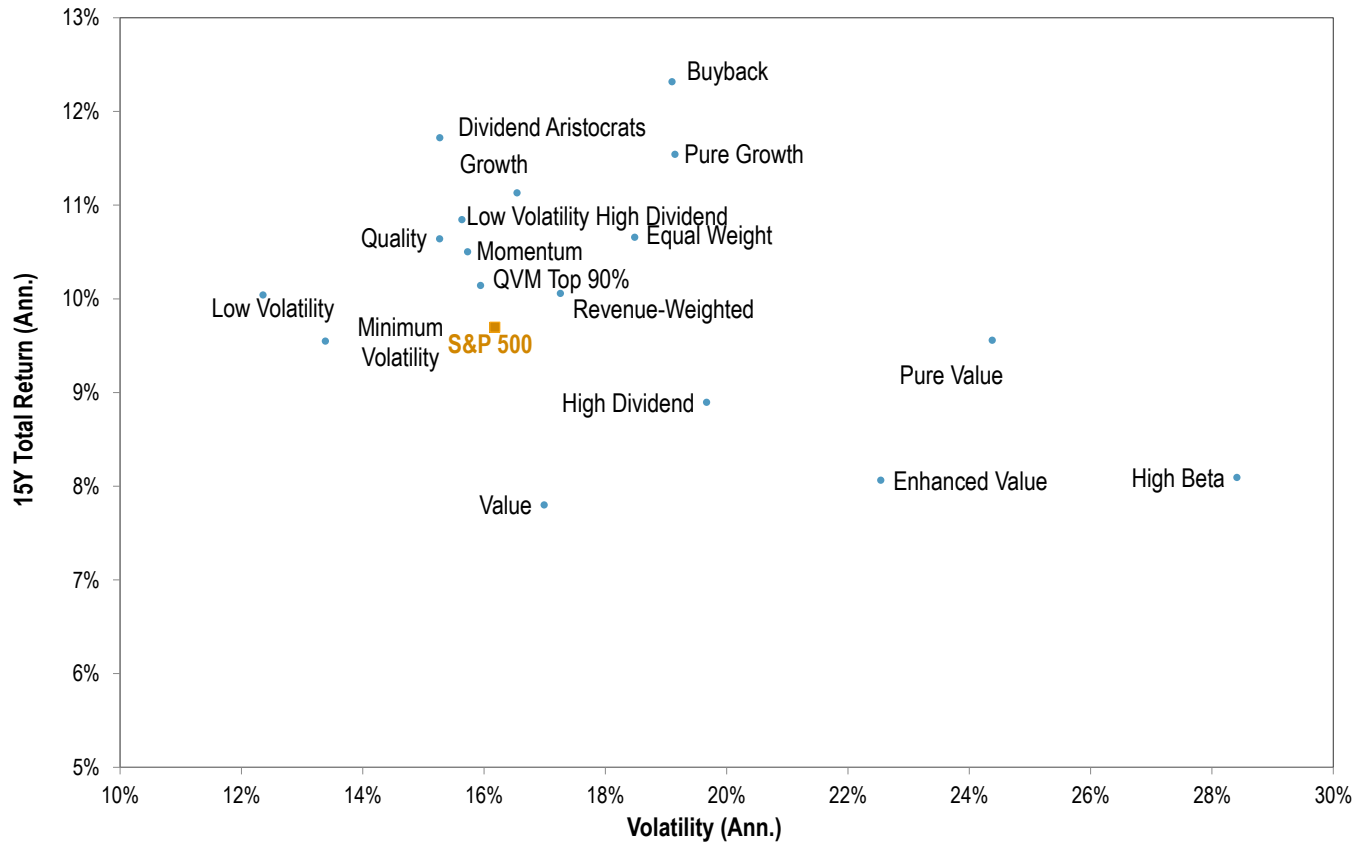
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Index Dashboard: S&P 500® Factor Indices

January 2023

15 YEAR RISK & RETURN - ABSOLUTE



| TOTAL RETURN | 1M | 3M | 12M | 3Y | 5Y | 10Y | 15Y |
|--------------------------------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|
| S&P 500 Buyback | 8.4% | 9.4% | 1.0% | 13.2% | 9.9% | 14.0% | 12.3% |
| S&P 500 Dividend Aristocrats | 3.2% | 6.1% | 0.9% | 10.8% | 9.7% | 12.7% | 11.7% |
| S&P 500 Pure Growth | 3.7% | 1.3% | -12.9% | 8.0% | 7.7% | 12.7% | 11.5% |
| S&P 500 Growth | 5.6% | 2.5% | -18.6% | 8.7% | 9.9% | 13.8% | 11.1% |
| S&P 500 Low Volatility High Dividend | 4.0% | 7.2% | 4.0% | 7.3% | 6.1% | 10.5% | 10.8% |
| S&P 500 Equal Weight | 7.4% | 9.2% | -0.6% | 12.3% | 9.7% | 12.5% | 10.7% |
| S&P 500 Quality | 4.8% | 6.7% | -7.8% | 10.4% | 9.7% | 12.3% | 10.6% |
| S&P 500 Momentum | -0.5% | -0.7% | -4.8% | 10.9% | 10.3% | 13.6% | 10.5% |
| S&P 500 QVM Top 90% | 5.5% | 5.7% | -7.0% | 10.9% | 10.1% | 13.0% | 10.1% |
| S&P 500 Revenue-Weighted | 6.0% | 5.9% | 2.0% | 13.7% | 10.1% | 13.0% | 10.1% |
| S&P 500 Low Volatility | 0.0% | 4.0% | 0.0% | 4.4% | 8.0% | 10.9% | 10.0% |
| S&P 500 Pure Value | 11.6% | 11.2% | 8.5% | 13.1% | 7.5% | 11.6% | 9.6% |
| S&P 500 Minimum Volatility | 3.1% | 4.0% | -3.1% | 7.5% | 8.7% | 11.9% | 9.5% |
| S&P 500 High Dividend | 6.4% | 9.3% | 3.3% | 8.6% | 7.0% | 11.3% | 8.9% |
| S&P 500 High Beta | 16.2% | 16.3% | -1.9% | 19.6% | 12.0% | 13.7% | 8.1% |
| S&P 500 Enhanced Value | 8.6% | 8.7% | 1.7% | 10.1% | 6.8% | 11.6% | 8.1% |
| S&P 500 Value | 7.0% | 9.0% | 3.1% | 9.7% | 8.2% | 10.9% | 7.8% |
| S&P 500 | 6.3% | 5.8% | -8.2% | 9.9% | 9.5% | 12.7% | 9.7% |

| VOLATILITY (ANN.) | 12M | 3Y | 5Y | 10Y | 15Y |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|
| S&P 500 Buyback | 22.3% | 24.4% | 21.9% | 17.6% | 19.1% |
| S&P 500 Dividend Aristocrats | 19.8% | 20.1% | 17.6% | 14.1% | 15.3% |
| S&P 500 Pure Growth | 26.3% | 26.0% | 22.3% | 17.6% | 19.1% |
| S&P 500 Growth | 24.9% | 23.4% | 20.1% | 16.0% | 16.5% |
| S&P 500 Low Volatility High Dividend | 19.4% | 21.9% | 18.9% | 14.8% | 15.6% |
| S&P 500 Equal Weight | 21.7% | 22.8% | 20.1% | 15.9% | 18.5% |
| S&P 500 Quality | 22.0% | 19.9% | 17.7% | 14.3% | 15.3% |
| S&P 500 Momentum | 21.8% | 20.1% | 17.9% | 14.5% | 15.7% |
| S&P 500 QVM Top 90% | 21.2% | 20.6% | 18.3% | 14.6% | 15.9% |
| S&P 500 Revenue-Weighted | 21.3% | 21.1% | 19.0% | 15.1% | 17.3% |
| S&P 500 Low Volatility | 15.3% | 17.3% | 14.9% | 12.3% | 12.4% |
| S&P 500 Pure Value | 22.6% | 28.4% | 25.0% | 19.8% | 24.4% |
| S&P 500 Minimum Volatility | 17.0% | 18.1% | 16.0% | 12.7% | 13.4% |
| S&P 500 High Dividend | 21.1% | 25.8% | 21.9% | 16.9% | 19.7% |
| S&P 500 High Beta | 30.8% | 34.1% | 29.8% | 23.9% | 28.4% |
| S&P 500 Enhanced Value | 24.6% | 27.7% | 24.3% | 19.4% | 22.5% |
| S&P 500 Value | 20.1% | 20.3% | 18.4% | 14.7% | 17.0% |
| S&P 500 | 21.7% | 20.9% | 18.4% | 14.7% | 16.2% |

Performance figures for more than one year are annualized.

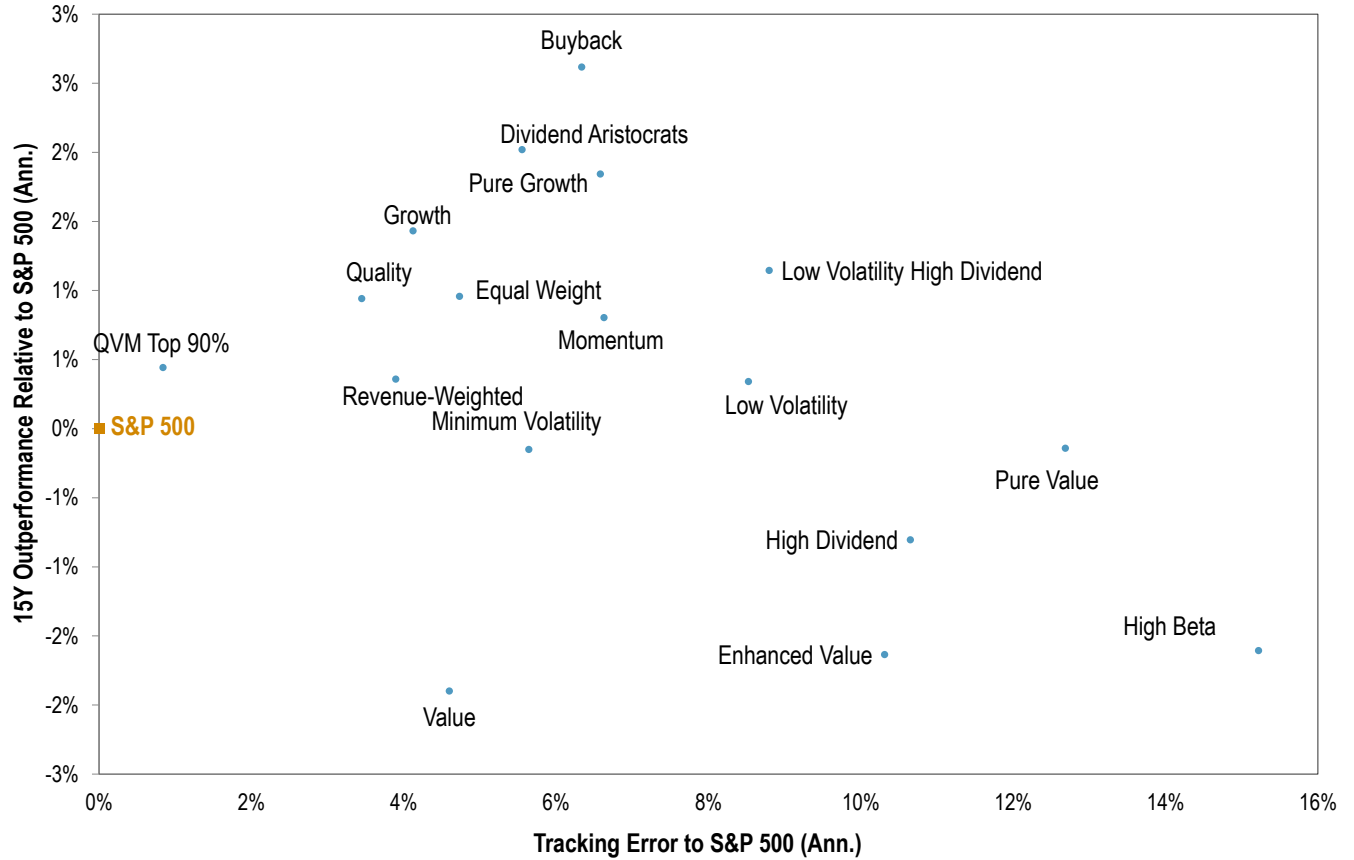
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Index Dashboard: S&P 500® Factor Indices

January 2023

TO S&P 500



RELATIVE RETURN AND TRACKING ERROR

| PERFORMANCE v S&P 500 | 1M | 3M | 1YR | 3YR | 5YR | 10YR | 15YR | TRACKING ERROR v S&P 500 (ANN.) | 1YR | 3YR | 5YR | 10YR | 15YR |
|--------------------------------------|-------|-------|--------|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------|
| S&P 500 Buyback | 2.1% | 3.7% | 9.2% | 3.3% | 0.4% | 1.3% | 2.6% | S&P 500 Buyback | 6.9% | 8.6% | 7.6% | 6.2% | 6.3% |
| S&P 500 Dividend Aristocrats | -3.0% | 0.3% | 9.2% | 0.9% | 0.2% | 0.0% | 2.0% | S&P 500 Dividend Aristocrats | 6.3% | 6.4% | 5.9% | 5.0% | 5.6% |
| S&P 500 Pure Growth | -2.5% | -4.5% | -4.7% | -1.9% | -1.9% | 0.0% | 1.8% | S&P 500 Pure Growth | 7.4% | 9.5% | 7.9% | 6.6% | 6.6% |
| S&P 500 Growth | -0.7% | -3.2% | -10.4% | -1.2% | 0.4% | 1.1% | 1.4% | S&P 500 Growth | 6.5% | 6.6% | 5.6% | 4.4% | 4.1% |
| S&P 500 Low Volatility High Dividend | -2.3% | 1.5% | 12.2% | -2.6% | -3.4% | -2.2% | 1.1% | S&P 500 Low Volatility High Dividend | 10.6% | 11.9% | 10.3% | 8.9% | 8.8% |
| S&P 500 Equal Weight | 1.1% | 3.4% | 7.6% | 2.4% | 0.2% | -0.2% | 1.0% | S&P 500 Equal Weight | 3.9% | 6.1% | 5.2% | 4.0% | 4.7% |
| S&P 500 Quality | -1.5% | 0.9% | 0.4% | 0.5% | 0.1% | -0.4% | 0.9% | S&P 500 Quality | 4.9% | 4.5% | 4.0% | 3.2% | 3.4% |
| S&P 500 Momentum | -6.8% | -6.4% | 3.4% | 1.0% | 0.8% | 0.9% | 0.8% | S&P 500 Momentum | 6.8% | 7.4% | 6.9% | 5.9% | 6.6% |
| S&P 500 QVM Top 90% | -0.8% | -0.1% | 1.2% | 1.0% | 0.6% | 0.3% | 0.4% | S&P 500 QVM Top 90% | 1.6% | 1.2% | 1.0% | 0.8% | 0.8% |
| S&P 500 Revenue-Weighted | -0.3% | 0.1% | 10.2% | 3.9% | 0.6% | 0.4% | 0.4% | S&P 500 Revenue-Weighted | 4.6% | 5.9% | 5.2% | 4.0% | 3.9% |
| S&P 500 Low Volatility | -6.2% | -1.7% | 8.2% | -5.4% | -1.5% | -1.7% | 0.3% | S&P 500 Low Volatility | 9.7% | 9.8% | 9.3% | 8.1% | 8.5% |
| S&P 500 Pure Value | 5.3% | 5.4% | 16.7% | 3.3% | -2.0% | -1.1% | -0.1% | S&P 500 Pure Value | 9.9% | 15.7% | 13.3% | 10.2% | 12.7% |
| S&P 500 Minimum Volatility | -3.2% | -1.8% | 5.1% | -2.4% | -0.8% | -0.8% | -0.2% | S&P 500 Minimum Volatility | 6.3% | 5.6% | 4.8% | 4.8% | 5.6% |
| S&P 500 High Dividend | 0.1% | 3.5% | 11.5% | -1.3% | -2.5% | -1.4% | -0.8% | S&P 500 High Dividend | 9.8% | 14.5% | 12.1% | 9.9% | 10.6% |
| S&P 500 High Beta | 9.9% | 10.6% | 6.3% | 9.7% | 2.5% | 1.0% | -1.6% | S&P 500 High Beta | 11.8% | 18.2% | 15.4% | 12.9% | 15.2% |
| S&P 500 Enhanced Value | 2.3% | 2.9% | 9.9% | 0.2% | -2.7% | -1.1% | -1.6% | S&P 500 Enhanced Value | 9.8% | 14.0% | 12.2% | 9.6% | 10.3% |
| S&P 500 Value | 0.7% | 3.3% | 11.3% | -0.2% | -1.4% | -1.8% | -1.9% | S&P 500 Value | 6.2% | 7.4% | 6.3% | 4.9% | 4.6% |

Performance figures for more than one year are annualized.

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Index Dashboard: S&P 500® Factor Indices

January 2023

DEGREE OF PORTFOLIO OVERLAP AND RELATIVE RETURN CORRELATIONS

PORTFOLIO OVERLAP

| | S&P 500 Momentum | S&P 500 Growth | S&P 500 Quality | S&P 500 Pure Growth | S&P 500 Low Volatility | S&P 500 Minimum Volatility | S&P 500 QVM Top 90% | S&P 500 Dividend Aristocrats | S&P 500 Low Volatility High Dividend | S&P 500 High Dividend | S&P 500 Revenue-Weighted | S&P 500 Value | S&P 500 Equal Weight | S&P 500 Pure Value | S&P 500 Buyback | S&P 500 Enhanced Value | S&P 500 High Beta | |
|--------------------------------------|------------------|----------------|-----------------|---------------------|------------------------|----------------------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------------------|---------------|----------------------|--------------------|-----------------|------------------------|-------------------|-----|
| S&P 500 Momentum | 100% | 29% | 35% | 27% | 23% | 19% | 23% | 13% | 7% | 11% | 28% | 13% | 18% | 6% | 14% | 17% | 2% | 21% |
| S&P 500 Growth | 29% | 100% | 39% | 27% | 17% | 26% | 63% | 15% | 5% | 6% | 40% | 28% | 32% | 0% | 10% | 5% | 15% | 65% |
| S&P 500 Quality | 35% | 39% | 100% | 17% | 11% | 22% | 36% | 17% | 7% | 9% | 24% | 21% | 19% | 3% | 12% | 11% | 13% | 33% |
| S&P 500 Pure Growth | 27% | 27% | 17% | 100% | 9% | 12% | 18% | 9% | 4% | 7% | 14% | 0% | 14% | 0% | 21% | 8% | 14% | 17% |
| S&P 500 Low Volatility | 23% | 17% | 11% | 9% | 100% | 28% | 22% | 27% | 19% | 22% | 16% | 21% | 19% | 5% | 11% | 5% | 0% | 20% |
| S&P 500 Minimum Volatility | 19% | 26% | 22% | 12% | 28% | 100% | 29% | 16% | 10% | 10% | 24% | 27% | 17% | 8% | 6% | 8% | 9% | 31% |
| S&P 500 QVM Top 90% | 23% | 63% | 36% | 18% | 22% | 29% | 100% | 17% | 9% | 13% | 59% | 59% | 49% | 11% | 13% | 15% | 15% | 88% |
| S&P 500 Dividend Aristocrats | 13% | 15% | 17% | 9% | 27% | 16% | 17% | 100% | 17% | 19% | 16% | 15% | 12% | 5% | 9% | 6% | 2% | 16% |
| S&P 500 Low Volatility High Dividend | 7% | 5% | 7% | 4% | 19% | 10% | 9% | 17% | 100% | 57% | 11% | 12% | 10% | 15% | 6% | 15% | 0% | 8% |
| S&P 500 High Dividend | 11% | 6% | 9% | 7% | 22% | 10% | 13% | 19% | 57% | 100% | 18% | 15% | 16% | 29% | 13% | 23% | 3% | 12% |
| S&P 500 Revenue-Weighted | 28% | 40% | 24% | 14% | 16% | 24% | 59% | 16% | 11% | 18% | 100% | 54% | 50% | 26% | 22% | 32% | 15% | 63% |
| S&P 500 Value | 13% | 28% | 21% | 0% | 21% | 27% | 59% | 15% | 12% | 15% | 54% | 100% | 53% | 17% | 14% | 21% | 18% | 63% |
| S&P 500 Equal Weight | 18% | 32% | 19% | 14% | 19% | 17% | 49% | 12% | 10% | 16% | 50% | 53% | 100% | 17% | 20% | 20% | 21% | 52% |
| S&P 500 Pure Value | 6% | 0% | 3% | 0% | 5% | 8% | 11% | 5% | 15% | 29% | 26% | 17% | 17% | 100% | 25% | 43% | 18% | 10% |
| S&P 500 Buyback | 14% | 10% | 12% | 21% | 11% | 6% | 13% | 9% | 6% | 13% | 22% | 14% | 20% | 25% | 100% | 26% | 16% | 13% |
| S&P 500 Enhanced Value | 17% | 5% | 11% | 8% | 5% | 8% | 15% | 6% | 15% | 23% | 32% | 21% | 20% | 43% | 26% | 100% | 11% | 13% |
| S&P 500 High Beta | 2% | 15% | 13% | 14% | 0% | 9% | 15% | 2% | 0% | 3% | 15% | 18% | 21% | 18% | 16% | 11% | 100% | 19% |

"Portfolio Overlap" is percentage of index weights held in common between any two indices.

RELATIVE RETURN CORRELATIONS

| | S&P 500 Momentum | S&P 500 Growth | S&P 500 Quality | S&P 500 Pure Growth | S&P 500 Low Volatility | S&P 500 Minimum Volatility | S&P 500 QVM Top 90% | S&P 500 Dividend Aristocrats | S&P 500 Low Volatility High Dividend | S&P 500 High Dividend | S&P 500 Revenue-Weighted | S&P 500 Value | S&P 500 Equal Weight | S&P 500 Pure Value | S&P 500 Buyback | S&P 500 Enhanced Value | S&P 500 High Beta |
|--------------------------------------|------------------|----------------|-----------------|---------------------|------------------------|----------------------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------------------|---------------|----------------------|--------------------|-----------------|------------------------|-------------------|
| S&P 500 Momentum | 1.00 | 0.23 | 0.33 | 0.28 | 0.11 | 0.03 | 0.08 | -0.36 | -0.35 | -0.44 | -0.33 | -0.32 | -0.42 | -0.39 | -0.38 | -0.42 | -0.54 |
| S&P 500 Growth | 0.23 | 1.00 | -0.10 | 0.47 | -0.52 | -0.43 | -0.40 | -0.82 | -0.87 | -0.82 | -0.87 | -0.98 | -0.75 | -0.78 | -0.63 | -0.77 | -0.33 |
| S&P 500 Quality | 0.33 | -0.10 | 1.00 | 0.00 | -0.07 | 0.02 | 0.04 | 0.02 | -0.17 | -0.21 | 0.02 | 0.06 | -0.15 | -0.18 | -0.14 | -0.16 | -0.27 |
| S&P 500 Pure Growth | 0.28 | 0.47 | 0.00 | 1.00 | -0.34 | -0.30 | 0.08 | -0.46 | -0.43 | -0.27 | -0.46 | -0.46 | -0.02 | -0.18 | 0.05 | -0.17 | 0.19 |
| S&P 500 Low Volatility | 0.11 | -0.52 | -0.07 | -0.34 | 1.00 | 0.81 | 0.36 | 0.58 | 0.59 | 0.36 | 0.31 | 0.48 | 0.24 | 0.16 | 0.13 | 0.17 | -0.34 |
| S&P 500 Minimum Volatility | 0.03 | -0.43 | 0.02 | -0.30 | 0.81 | 1.00 | 0.27 | 0.53 | 0.49 | 0.24 | 0.25 | 0.40 | 0.15 | 0.04 | 0.01 | 0.05 | -0.37 |
| S&P 500 QVM Top 90% | 0.08 | -0.40 | 0.04 | 0.08 | 0.36 | 0.27 | 1.00 | 0.32 | 0.46 | 0.44 | 0.23 | 0.38 | 0.47 | 0.45 | 0.53 | 0.47 | 0.20 |
| S&P 500 Dividend Aristocrats | -0.36 | -0.82 | 0.02 | -0.46 | 0.58 | 0.53 | 0.32 | 1.00 | 0.82 | 0.71 | 0.78 | 0.85 | 0.70 | 0.60 | 0.55 | 0.61 | 0.25 |
| S&P 500 Low Volatility High Dividend | -0.35 | -0.87 | -0.17 | -0.43 | 0.59 | 0.49 | 0.46 | 0.82 | 1.00 | 0.92 | 0.79 | 0.89 | 0.79 | 0.79 | 0.69 | 0.79 | 0.38 |
| S&P 500 High Dividend | -0.44 | -0.82 | -0.21 | -0.27 | 0.36 | 0.24 | 0.44 | 0.71 | 0.92 | 1.00 | 0.79 | 0.86 | 0.88 | 0.92 | 0.81 | 0.91 | 0.61 |
| S&P 500 Revenue-Weighted | -0.33 | -0.87 | 0.02 | -0.46 | 0.31 | 0.25 | 0.23 | 0.78 | 0.79 | 0.79 | 1.00 | 0.90 | 0.74 | 0.80 | 0.65 | 0.81 | 0.43 |
| S&P 500 Value | -0.32 | -0.98 | 0.06 | -0.46 | 0.48 | 0.40 | 0.38 | 0.85 | 0.89 | 0.86 | 0.90 | 1.00 | 0.80 | 0.81 | 0.68 | 0.81 | 0.41 |
| S&P 500 Equal Weight | -0.42 | -0.75 | -0.15 | -0.02 | 0.24 | 0.15 | 0.47 | 0.70 | 0.79 | 0.88 | 0.74 | 0.80 | 1.00 | 0.90 | 0.91 | 0.89 | 0.77 |
| S&P 500 Pure Value | -0.39 | -0.78 | -0.18 | -0.18 | 0.16 | 0.04 | 0.45 | 0.60 | 0.79 | 0.92 | 0.80 | 0.81 | 0.90 | 1.00 | 0.87 | 0.97 | 0.74 |
| S&P 500 Buyback | -0.38 | -0.63 | -0.14 | 0.05 | 0.13 | 0.01 | 0.53 | 0.55 | 0.69 | 0.81 | 0.65 | 0.68 | 0.91 | 0.87 | 1.00 | 0.89 | 0.74 |
| S&P 500 Enhanced Value | -0.42 | -0.77 | -0.16 | -0.17 | 0.17 | 0.05 | 0.47 | 0.61 | 0.79 | 0.91 | 0.81 | 0.81 | 0.89 | 0.97 | 0.89 | 1.00 | 0.73 |
| S&P 500 High Beta | -0.54 | -0.33 | -0.27 | 0.19 | -0.34 | -0.37 | 0.20 | 0.25 | 0.38 | 0.61 | 0.43 | 0.41 | 0.77 | 0.74 | 0.74 | 0.73 | 1.00 |

Correlation of weekly excess total returns (versus S&P 500), last three years

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Index Dashboard: **S&P 500® Factor Indices**

January 2023

TRACKING ERROR & ACTIVE SHARE- RELATIVE TO S&P 500



FACTOR EXPOSURE SUMMARY (See following pages for factor details)

| INDEX | PAGE No. | LOW VOLATILITY | MOMENTUM | VALUE | HIGH BETA | DIVIDEND | QUALITY | SMALL SIZE |
|--------------------------------------|----------|----------------|----------|--------|-----------|----------|---------|------------|
| S&P 500 Low Volatility | 7 | 70.0% | 36.3% | 12.0% | -61.9% | 46.0% | -10.8% | 43.2% |
| S&P 500 Minimum Volatility | 7 | 29.1% | 18.1% | -4.2% | -37.0% | 12.8% | -10.4% | 11.7% |
| S&P 500 Low Volatility High Dividend | 8 | 36.8% | 21.1% | 50.4% | -45.5% | 84.9% | -17.8% | 52.9% |
| S&P 500 High Dividend | 8 | 11.1% | 18.9% | 65.4% | -23.8% | 82.2% | -18.2% | 57.3% |
| S&P 500 Quality | 9 | 3.2% | 35.7% | -0.4% | -10.6% | 11.4% | 31.3% | 6.3% |
| S&P 500 Dividend Aristocrats | 9 | 24.0% | 7.9% | 8.7% | -23.8% | 35.2% | -4.1% | 39.4% |
| S&P 500 Momentum | 10 | 20.9% | 75.2% | 47.2% | -56.4% | 35.6% | 8.9% | 11.7% |
| S&P 500 Revenue-Weighted | 10 | 0.5% | 28.0% | 57.4% | -11.3% | 14.7% | 1.0% | 11.7% |
| S&P 500 QVM Top 90% | 11 | 3.2% | 6.0% | 9.2% | -5.1% | 6.9% | 6.4% | -2.2% |
| S&P 500 Growth | 11 | -1.9% | 16.5% | -11.4% | 0.9% | -7.0% | 6.5% | -30.7% |
| S&P 500 Value | 12 | 0.6% | -8.6% | 28.0% | -1.5% | 15.3% | -10.4% | 11.7% |
| S&P 500 Pure Growth | 12 | -35.0% | 62.5% | 45.4% | -10.6% | 16.3% | -0.9% | 36.9% |
| S&P 500 Pure Value | 13 | -40.9% | -9.3% | 93.9% | 9.8% | 47.4% | -18.8% | 65.8% |
| S&P 500 Buyback | 13 | -17.8% | 28.0% | 68.9% | -5.5% | 13.3% | -0.2% | 63.7% |
| S&P 500 High Beta | 14 | -79.7% | -27.2% | 3.0% | 75.8% | -40.8% | -43.7% | 32.9% |
| S&P 500 Enhanced Value | 14 | -8.0% | 28.0% | 89.6% | -10.9% | 51.2% | -11.8% | 29.1% |
| S&P 500 Equal Weight | 15 | -9.0% | -0.8% | 29.5% | -1.5% | 12.3% | -17.8% | 48.4% |

Source: S&P Dow Jones Indices LLC and/or its affiliates. Data as of January 31, 2023. Returns in U.S. dollars.

S&P Dow Jones Indices

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Index Dashboard: S&P 500® Factor Indices
January 2023

S&P 500 Low Volatility

Description

The S&P 500 Low Volatility is designed to measure the performance of the 100 stocks in the S&P 500 with the lowest volatility, measured on a 1-year trailing basis. The weighting of each stock is in inverse proportion to its volatility. As of January 31, 2023 the index comprised 100 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 0.0% | 4.0% | 0.0% | 0.0% | 4.4% | 8.0% | 10.9% | 10.0% |
| Relative to Benchmark | -6.2% | -1.7% | -6.2% | 8.2% | -5.4% | -1.5% | -1.7% | 0.3% |
| Index Volatility | | | | 15.3% | 17.3% | 14.9% | 12.3% | 12.4% |
| Tracking Error | | | | 9.7% | 9.8% | 9.3% | 8.1% | 8.5% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.58

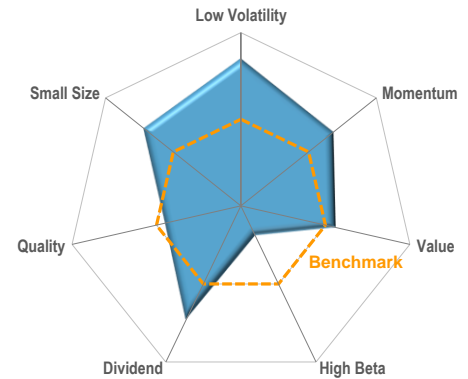
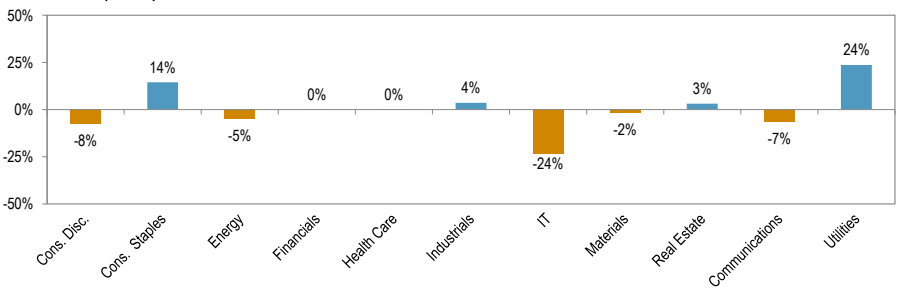
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 80% | 0% |
| Active Share (Sector) | 45% | 0% |
| Concentration (HH Index) | 100.7 | 120.7 |
| Correlation (stock) | 0.49 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.64 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 24% | 35% |
| 12M - 1M price return | 3% | -11% |
| Book/Price | 0.31 | 0.25 |
| Earnings/Price | 0.04 | 0.05 |
| Sales/Price | 0.44 | 0.41 |
| Stock Beta | 0.64 | 1.00 |
| Yield (12M trailing) | 2.6% | 1.7% |
| R.O.E. | 23% | 33% |
| Market Cap (U.S. \$ bn) | 79.8 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Difference |
|---------------|-------|-------|------------|
| Utilities | 27% | 3% | 24% |
| Cons. Staples | 21% | 7% | 14% |
| IT | 3% | 26% | 24% |
| Cons. Disc. | 3% | 10% | 8% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Minimum Volatility

Description

The S&P 500 Minimum Volatility uses an optimization process to find the portfolio of S&P 500 stocks, and weights, that would have demonstrated the lowest volatility on a historical basis, subject to constraints maintaining limiting sector and factor exposures. As of January 31, 2023 the index comprised 92 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 3.1% | 4.0% | 3.1% | -3.1% | 7.5% | 8.7% | 11.9% | 9.5% |
| Relative to Benchmark | -3.2% | -1.8% | -3.2% | 5.1% | -2.4% | -0.8% | -0.8% | -0.2% |
| Index Volatility | | | | 17.0% | 18.1% | 16.0% | 12.7% | 13.4% |
| Tracking Error | | | | 6.3% | 5.6% | 4.8% | 4.8% | 5.6% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.79

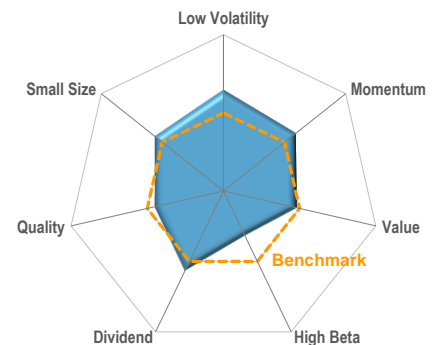
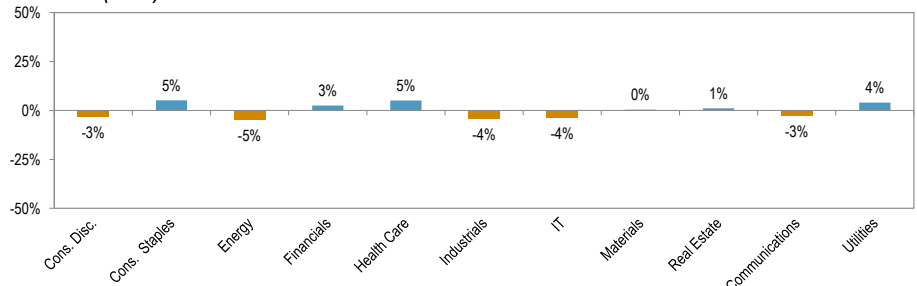
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 69% | 0% |
| Active Share (Sector) | 18% | 0% |
| Concentration (HH Index) | 157.3 | 120.7 |
| Correlation (stock) | 0.46 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.28 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 29% | 35% |
| 12M - 1M price return | -4% | -11% |
| Book/Price | 0.26 | 0.25 |
| Earnings/Price | 0.04 | 0.05 |
| Sales/Price | 0.35 | 0.41 |
| Stock Beta | 0.81 | 1.00 |
| Yield (12M trailing) | 1.9% | 1.7% |
| R.O.E. | 31% | 33% |
| Market Cap (U.S. \$ bn) | 225.6 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Difference |
|---------------|-------|-------|------------|
| Cons. Staples | 12% | 7% | 5% |
| Health Care | 20% | 15% | 5% |
| Energy | 0% | 5% | 5% |
| Industrials | 4% | 8% | 4% |

Sector Tilts (Detail)



Factor Exposure Chart

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January 2023

S&P 500 Low Volatility High Dividend

Description

The S&P 500 Low Volatility High Dividend measures the performance of the 50 least-volatile high dividend-yielding stocks in the S&P 500. Each component is weighted proportionally to its dividend yield, subject to single stock and sector constraints. As of January 31, 2023 the index comprised 49 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 4.0% | 7.2% | 4.0% | 4.0% | 7.3% | 6.1% | 10.5% | 10.8% |
| Relative to Benchmark | -2.3% | 1.5% | -2.3% | 12.2% | -2.6% | -3.4% | -2.2% | 1.1% |
| Index Volatility | | | | 19.4% | 21.9% | 18.9% | 14.8% | 15.6% |
| Tracking Error | | | | 10.6% | 11.9% | 10.3% | 8.9% | 8.8% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.62

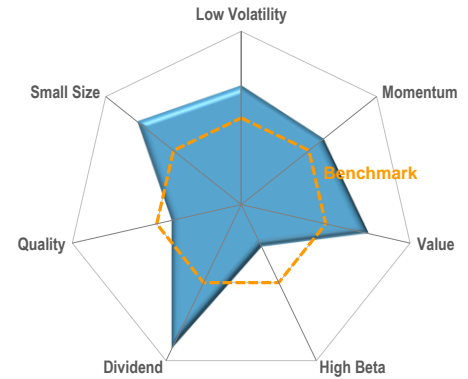
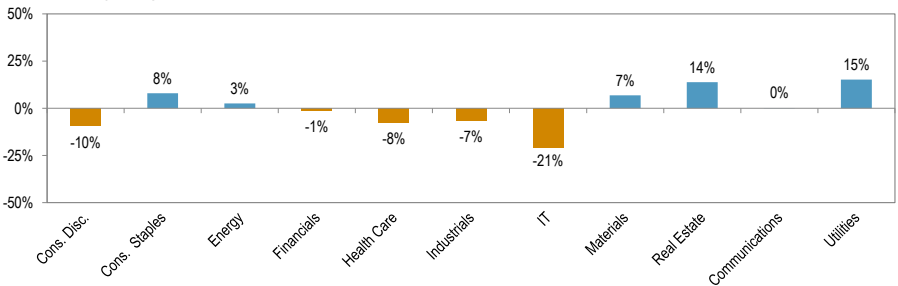
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 92% | 0% |
| Active Share (Sector) | 46% | 0% |
| Concentration (HH Index) | 215.5 | 120.7 |
| Correlation (stock) | 0.39 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.69 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 29% | 35% |
| 12M - 1M price return | -1% | -11% |
| Book/Price | 0.48 | 0.25 |
| Earnings/Price | 0.05 | 0.05 |
| Sales/Price | 0.66 | 0.41 |
| Stock Beta | 0.74 | 1.00 |
| Yield (12M trailing) | 4.4% | 1.7% |
| R.O.E. | 19% | 33% |
| Market Cap (U.S. \$ bn) | 61.5 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| Utilities | 18% | 3% | 15% |
| Real Estate | 16% | 3% | 14% |
| IT | 5% | 26% | 21% |
| Cons. Disc. | 1% | 10% | 10% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 High Dividend

Description

The S&P 500 High Dividend is constructed from the 80 constituents of the S&P 500 with the highest indicated dividend yield. The index is equal weighted. As of January 31, 2023 the index comprised 78 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 6.4% | 9.3% | 6.4% | 3.3% | 8.6% | 7.0% | 11.3% | 8.9% |
| Relative to Benchmark | 0.1% | 3.5% | 0.1% | 11.5% | -1.3% | -2.5% | -1.4% | -0.8% |
| Index Volatility | | | | 21.1% | 25.8% | 21.9% | 16.9% | 19.7% |
| Tracking Error | | | | 9.8% | 14.5% | 12.1% | 9.9% | 10.6% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.73

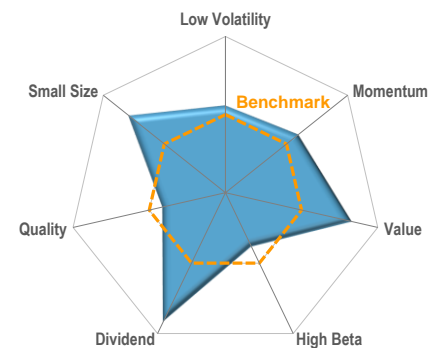
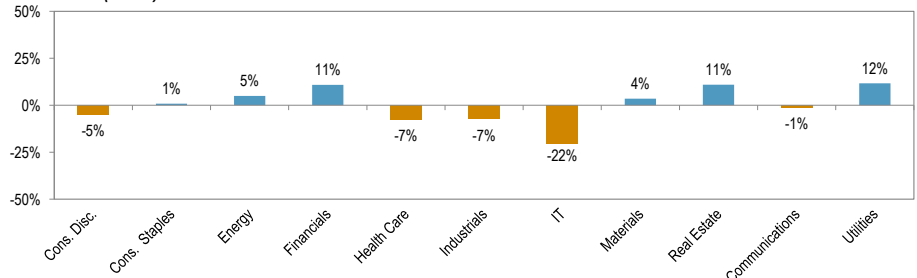
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 88% | 0% |
| Active Share (Sector) | 43% | 0% |
| Concentration (HH Index) | 130.9 | 120.7 |
| Correlation (stock) | 0.38 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.45 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 32% | 35% |
| 12M - 1M price return | -2% | -11% |
| Book/Price | 0.50 | 0.25 |
| Earnings/Price | 0.06 | 0.05 |
| Sales/Price | 0.81 | 0.41 |
| Stock Beta | 0.86 | 1.00 |
| Yield (12M trailing) | 4.2% | 1.7% |
| R.O.E. | 20% | 33% |
| Market Cap (U.S. \$ bn) | 54.4 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| Utilities | 15% | 3% | 12% |
| Real Estate | 14% | 3% | 11% |
| IT | 5% | 26% | 22% |
| Health Care | 8% | 15% | 7% |

Sector Tilts (Detail)



Factor Exposure Chart

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January 2023

S&P 500 Quality

Description

The S&P 500 Quality is designed to track the 100 stocks in the S&P 500 with the highest quality score, which is calculated based on return on equity, accruals ratio and financial leverage ratio. The weighting is proportional to both the quality score, and the market capitalization, of each component, subject to single stock and sector constraints. As of January 31, 2023 the index comprised 100 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 4.8% | 6.7% | 4.8% | -7.8% | 10.4% | 9.7% | 12.3% | 10.6% |
| Relative to Benchmark | -1.5% | 0.9% | -1.5% | 0.4% | 0.5% | 0.1% | -0.4% | 0.9% |
| Index Volatility | | | | 22.0% | 19.9% | 17.7% | 14.3% | 15.3% |
| Tracking Error | | | | 4.9% | 4.5% | 4.0% | 3.2% | 3.4% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.98

Portfolio Statistics

| | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 67% | 0% |
| Active Share (Sector) | 28% | 0% |
| Concentration (HH Index) | 255.3 | 120.7 |
| Correlation (stock) | 0.49 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.63 | 0.04 |

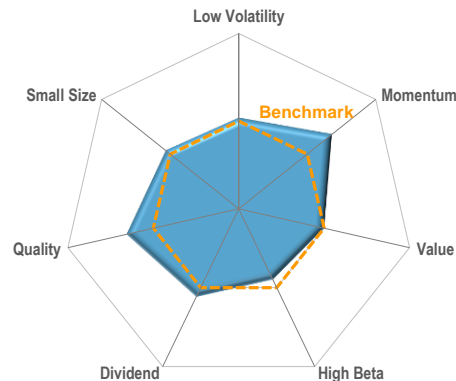
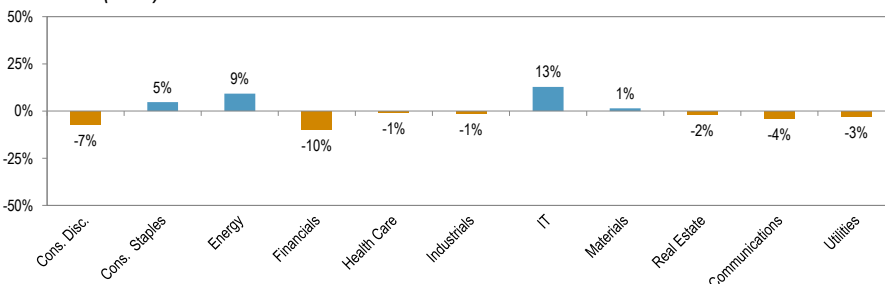
Index-Weighted Avg.

| | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 34% | 35% |
| 12M - 1M price return | 2% | -11% |
| Book/Price | 0.18 | 0.25 |
| Earnings/Price | 0.06 | 0.05 |
| Sales/Price | 0.38 | 0.41 |
| Stock Beta | 0.92 | 1.00 |
| Yield (12M trailing) | 1.9% | 1.7% |
| R.O.E. | 46% | 33% |
| Market Cap (U.S. \$ bn) | 386.4 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| IT | 39% | 26% | 13% |
| Energy | 14% | 5% | 9% |
| Financials | 2% | 12% | 10% |
| Cons. Disc. | 3% | 10% | 7% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Dividend Aristocrats

Description

The S&P 500 Dividend Aristocrats measures the performance S&P 500 companies that have increased dividends every year for the last 25 consecutive years. The Index is equally weighted at each rebalance. As of January 31, 2023 the index comprised 64 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 3.2% | 6.1% | 3.2% | 0.9% | 10.8% | 9.7% | 12.7% | 11.7% |
| Relative to Benchmark | -3.0% | 0.3% | -3.0% | 9.2% | 0.9% | 0.2% | 0.0% | 2.0% |
| Index Volatility | | | | 19.8% | 20.1% | 17.6% | 14.1% | 15.3% |
| Tracking Error | | | | 6.3% | 6.4% | 5.9% | 5.0% | 5.6% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.77

Portfolio Statistics

| | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 84% | 0% |
| Active Share (Sector) | 39% | 0% |
| Concentration (HH Index) | 157.7 | 120.7 |
| Correlation (stock) | 0.44 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.19 | 0.04 |

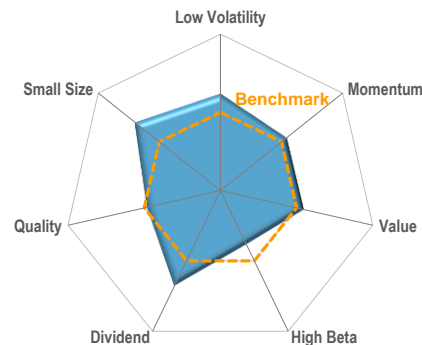
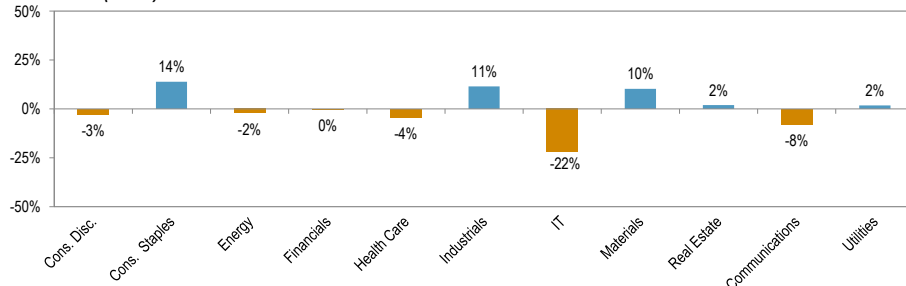
Index-Weighted Avg.

| | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 30% | 35% |
| 12M - 1M price return | -6% | -11% |
| Book/Price | 0.25 | 0.25 |
| Earnings/Price | 0.04 | 0.05 |
| Sales/Price | 0.55 | 0.41 |
| Stock Beta | 0.87 | 1.00 |
| Yield (12M trailing) | 2.4% | 1.7% |
| R.O.E. | 31% | 33% |
| Market Cap (U.S. \$ bn) | 87.8 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|----------------|-------|-------|-------|
| Cons. Staples | 21% | 7% | 14% |
| Industrials | 20% | 8% | 11% |
| IT | 4% | 26% | 22% |
| Communications | 0% | 7% | 8% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P Dow Jones Indices

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January 2023

S&P 500 Momentum

Description

The S&P 500 Momentum comprises the top 100 stocks in the S&P 500 based on 12M prior risk-adjusted performance (excluding the most recent month at the rebalance). The weighting is inversely proportional to the trailing volatility of each component, subject to single stock and sector constraints. As of January 31, 2023 the index comprised 99 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | -0.5% | -0.7% | -0.5% | -4.8% | 10.9% | 10.3% | 13.6% | 10.5% |
| Relative to Benchmark | -6.8% | -6.4% | -6.8% | 3.4% | 1.0% | 0.8% | 0.9% | 0.8% |
| Index Volatility | | | | 21.8% | 20.1% | 17.9% | 14.5% | 15.7% |
| Tracking Error | | | | 6.8% | 7.4% | 6.9% | 5.9% | 6.6% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.86

Portfolio Statistics

| | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 79% | 0% |
| Active Share (Sector) | 50% | 0% |
| Concentration (HH Index) | 340.7 | 120.7 |
| Correlation (stock) | 0.57 | 0.47 |
| Ann. Turnover (last 10 yr) | 1.16 | 0.04 |

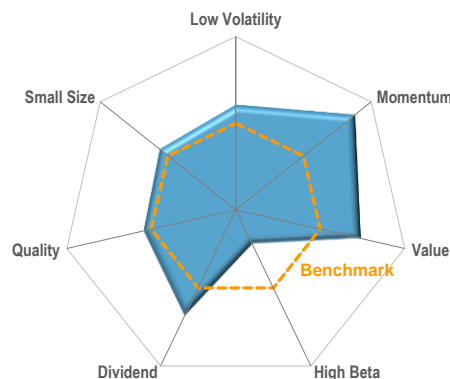
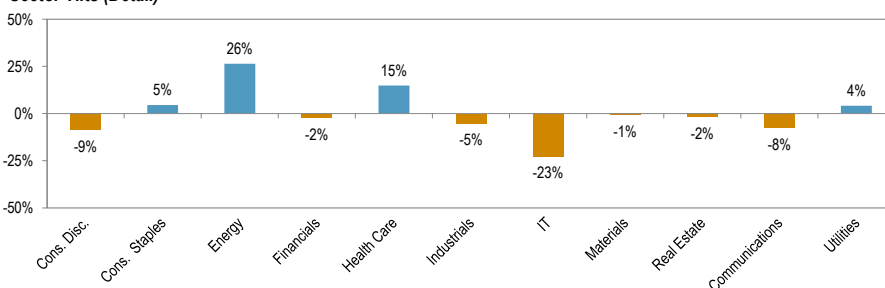
Index-Weighted Avg.

| | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 30% | 35% |
| 12M - 1M price return | 31% | -11% |
| Book/Price | 0.29 | 0.25 |
| Earnings/Price | 0.07 | 0.05 |
| Sales/Price | 0.68 | 0.41 |
| Stock Beta | 0.67 | 1.00 |
| Yield (12M trailing) | 2.5% | 1.7% |
| R.O.E. | 34% | 33% |
| Market Cap (U.S. \$ bn) | 227.4 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| Energy | 32% | 5% | 26% |
| Health Care | 30% | 15% | 15% |
| IT | 3% | 26% | 23% |
| Cons. Disc. | 2% | 10% | 9% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Revenue-Weighted

Description

The S&P 500 Revenue-Weighted comprises all the constituents of the S&P 500, weighted in proportion to revenues. As of January 31, 2023 the index comprised 501 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 6.0% | 5.9% | 6.0% | 2.0% | 13.7% | 10.1% | 13.0% | 10.1% |
| Relative to Benchmark | -0.3% | 0.1% | -0.3% | 10.2% | 3.9% | 0.6% | 0.4% | 0.4% |
| Index Volatility | | | | 21.3% | 21.1% | 19.0% | 15.1% | 17.3% |
| Tracking Error | | | | 4.6% | 5.9% | 5.2% | 4.0% | 3.9% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.85

Portfolio Statistics

| | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 37% | 0% |
| Active Share (Sector) | 18% | 0% |
| Concentration (HH Index) | 92.6 | 120.7 |
| Correlation (stock) | 0.36 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.20 | 0.04 |

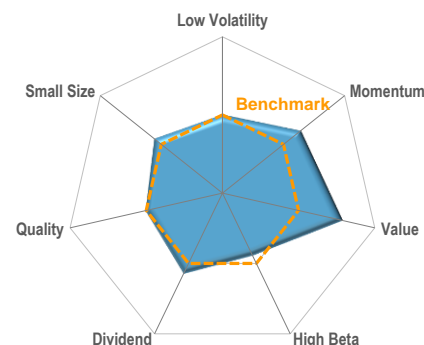
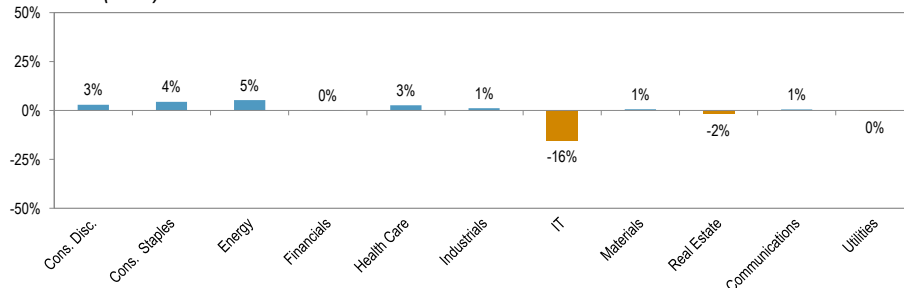
Index-Weighted Avg.

| | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 35% | 35% |
| 12M - 1M price return | -2% | -11% |
| Book/Price | 0.34 | 0.25 |
| Earnings/Price | 0.06 | 0.05 |
| Sales/Price | 1.02 | 0.41 |
| Stock Beta | 0.91 | 1.00 |
| Yield (12M trailing) | 1.9% | 1.7% |
| R.O.E. | 27% | 33% |
| Market Cap (U.S. \$ bn) | 261.1 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|---------------|-------|-------|-------|
| Energy | 10% | 5% | 5% |
| Cons. Staples | 11% | 7% | 4% |
| IT | 11% | 26% | 16% |
| Real Estate | 1% | 3% | 2% |

Sector Tilts (Detail)



Factor Exposure Chart

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January 2023

S&P 500 QVM Top 90%

Description

The S&P 500 Quality, Value & Momentum Top 90% Multi-factor Index is designed to measure the performance of 90% of the stocks within the S&P 500, after excluding those with the lowest quality, value, and momentum as determined by a multi-factor score. As of January 31, 2023 the index comprised 447 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 5.5% | 5.7% | 5.5% | -7.0% | 10.9% | 10.1% | 13.0% | 10.1% |
| Relative to Benchmark | -0.8% | -0.1% | -0.8% | 1.2% | 1.0% | 0.6% | 0.3% | 0.4% |
| Index Volatility | | | | 21.2% | 20.6% | 18.3% | 14.6% | 15.9% |
| Tracking Error | | | | 1.6% | 1.2% | 1.0% | 0.8% | 0.8% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.97

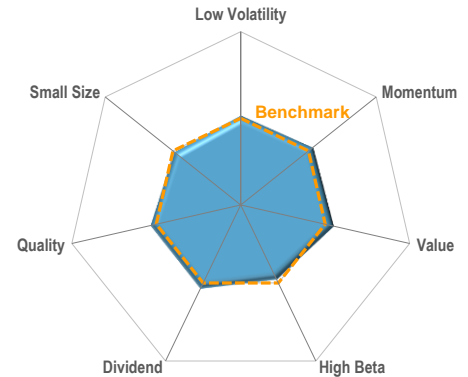
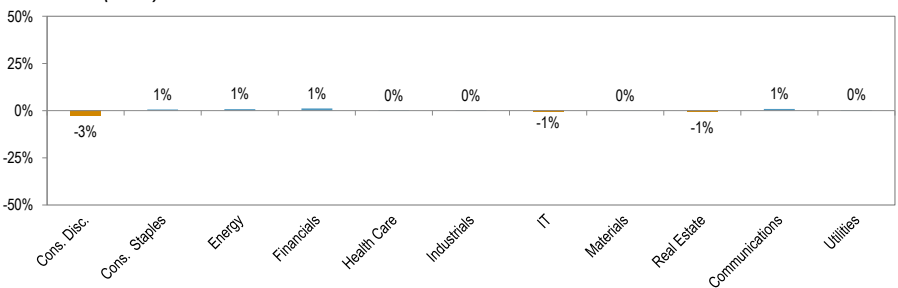
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 12% | 0% |
| Active Share (Sector) | 4% | 0% |
| Concentration (HH Index) | 146.8 | 120.7 |
| Correlation (stock) | 0.46 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.19 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 34% | 35% |
| 12M - 1M price return | -8% | -11% |
| Book/Price | 0.26 | 0.25 |
| Earnings/Price | 0.05 | 0.05 |
| Sales/Price | 0.43 | 0.41 |
| Stock Beta | 0.96 | 1.00 |
| Yield (12M trailing) | 1.8% | 1.7% |
| R.O.E. | 34% | 33% |
| Market Cap (U.S. \$ bn) | 442.3 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|----------------|-------|-------|-------|
| Financials | 13% | 12% | 1% |
| Communications | 8% | 7% | 1% |
| Cons. Disc. | 8% | 10% | 3% |
| IT | 26% | 26% | 1% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Growth

Description

The S&P 500 Growth is comprised of S&P 500 stocks with above-average combinations of the ratio of earnings growth to price, sales growth, and momentum. The weighting is by capitalization, although the weight of some stocks is divided between the Value and Growth indices. As of January 31, 2023 the index comprised 228 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|--------|-------|-------|-------|-------|
| Total Return (Ann) | 5.6% | 2.5% | 5.6% | -18.6% | 8.7% | 9.9% | 13.8% | 11.1% |
| Relative to Benchmark | -0.7% | -3.2% | -0.7% | -10.4% | -1.2% | 0.4% | 1.1% | 1.4% |
| Index Volatility | | | | 24.9% | 23.4% | 20.1% | 16.0% | 16.5% |
| Tracking Error | | | | 6.5% | 6.6% | 5.6% | 4.4% | 4.1% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.23

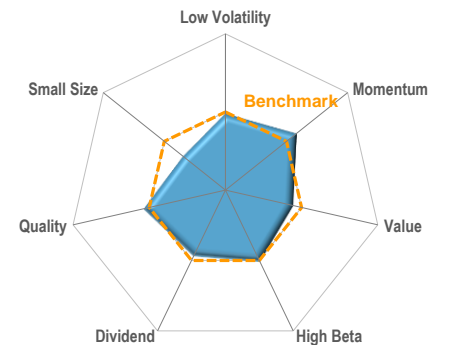
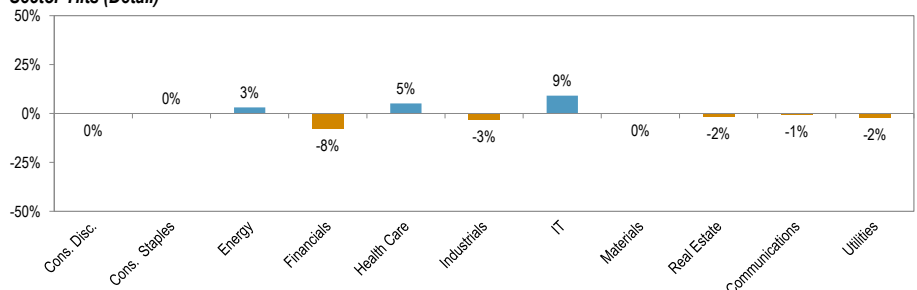
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 35% | 0% |
| Active Share (Sector) | 17% | 0% |
| Concentration (HH Index) | 285.6 | 120.7 |
| Correlation (stock) | 0.72 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.25 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 35% | 35% |
| 12M - 1M price return | -6% | -11% |
| Book/Price | 0.14 | 0.25 |
| Earnings/Price | 0.05 | 0.05 |
| Sales/Price | 0.31 | 0.41 |
| Stock Beta | 1.01 | 1.00 |
| Yield (12M trailing) | 1.4% | 1.7% |
| R.O.E. | 43% | 33% |
| Market Cap (U.S. \$ bn) | 607.4 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| IT | 36% | 26% | 9% |
| Health Care | 20% | 15% | 5% |
| Financials | 4% | 12% | 8% |
| Industrials | 5% | 8% | 3% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P Dow Jones Indices

A Division of **S&P Global**

Index Dashboard: S&P 500® Factor Indices
January 2023

S&P 500 Value

Description

The S&P 500 Value comprises S&P 500 stocks with above-average combinations of book value-to-price, earnings-to-price, and sales-to-price. The weighting is by capitalization, although the weight of some stocks is divided between the Value and Growth indices. As of January 31, 2023 the index comprised 407 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 7.0% | 9.0% | 7.0% | 3.1% | 9.7% | 8.2% | 10.9% | 7.8% |
| Relative to Benchmark | 0.7% | 3.3% | 0.7% | 11.3% | -0.2% | -1.4% | -1.8% | -1.9% |
| Index Volatility | | | | 20.1% | 20.3% | 18.4% | 14.7% | 17.0% |
| Tracking Error | | | | 6.2% | 7.4% | 6.3% | 4.9% | 4.6% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.78

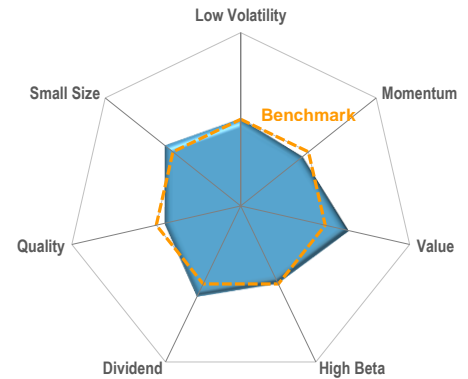
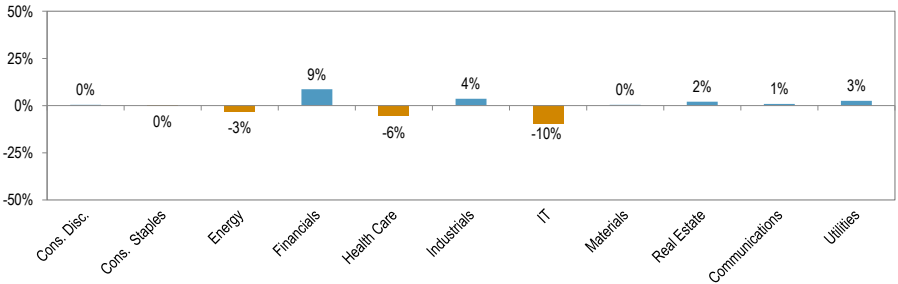
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 37% | 0% |
| Active Share (Sector) | 19% | 0% |
| Concentration (HH Index) | 92.8 | 120.7 |
| Correlation (stock) | 0.33 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.26 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 35% | 35% |
| 12M - 1M price return | -16% | -11% |
| Book/Price | 0.36 | 0.25 |
| Earnings/Price | 0.04 | 0.05 |
| Sales/Price | 0.52 | 0.41 |
| Stock Beta | 1.00 | 1.00 |
| Yield (12M trailing) | 2.0% | 1.7% |
| R.O.E. | 21% | 33% |
| Market Cap (U.S. \$ bn) | 245.6 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| Financials | 20% | 12% | 9% |
| Industrials | 12% | 8% | 4% |
| IT | 17% | 26% | 10% |
| Health Care | 10% | 15% | 6% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Pure Growth

Description

The S&P 500 Pure Growth comprises those S&P 500 stocks with 100% of their market cap in the S&P 500 Growth index and a growth score in the highest quartile. The weighting is proportional to the growth score. As of January 31, 2023 the index comprised 73 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|--------|-------|-------|-------|-------|
| Total Return (Ann) | 3.7% | 1.3% | 3.7% | -12.9% | 8.0% | 7.7% | 12.7% | 11.5% |
| Relative to Benchmark | -2.5% | -4.5% | -2.5% | -4.7% | -1.9% | -1.9% | 0.0% | 1.8% |
| Index Volatility | | | | 26.3% | 26.0% | 22.3% | 17.6% | 19.1% |
| Tracking Error | | | | 7.4% | 9.5% | 7.9% | 6.6% | 6.6% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.27

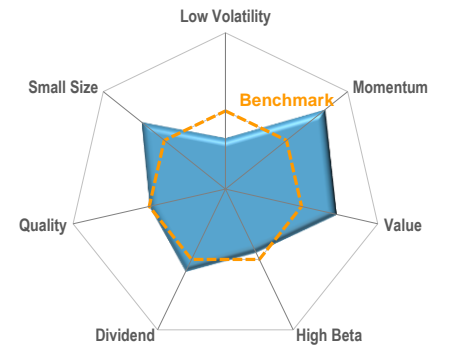
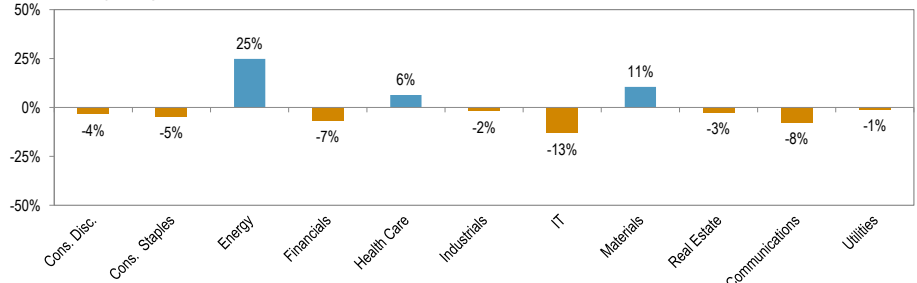
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 83% | 0% |
| Active Share (Sector) | 42% | 0% |
| Concentration (HH Index) | 160.2 | 120.7 |
| Correlation (stock) | 0.62 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.65 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 41% | 35% |
| 12M - 1M price return | 24% | -11% |
| Book/Price | 0.24 | 0.25 |
| Earnings/Price | 0.08 | 0.05 |
| Sales/Price | 0.50 | 0.41 |
| Stock Beta | 0.92 | 1.00 |
| Yield (12M trailing) | 2.0% | 1.7% |
| R.O.E. | 39% | 33% |
| Market Cap (U.S. \$ bn) | 95.2 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|----------------|-------|-------|-------|
| Energy | 30% | 5% | 25% |
| Materials | 13% | 3% | 11% |
| IT | 13% | 26% | 13% |
| Communications | 0% | 7% | 8% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P Dow Jones Indices

A Division of **S&P Global**

Index Dashboard: S&P 500® Factor Indices
January 2023

S&P 500 Pure Value

Description

The S&P 500 Pure Value comprises S&P 500 stocks with 100% of their market cap in the S&P 500 Value index and a value score in the highest quartile. The weighting is proportional to the value score. As of January 31, 2023 the index comprised 85 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 11.6% | 11.2% | 11.6% | 8.5% | 13.1% | 7.5% | 11.6% | 9.6% |
| Relative to Benchmark | 5.3% | 5.4% | 5.3% | 16.7% | 3.3% | -2.0% | -1.1% | -0.1% |
| Index Volatility | | | | 22.6% | 28.4% | 25.0% | 19.8% | 24.4% |
| Tracking Error | | | | 9.9% | 15.7% | 13.3% | 10.2% | 12.7% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.81

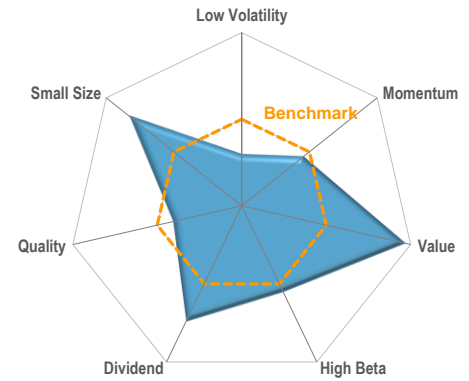
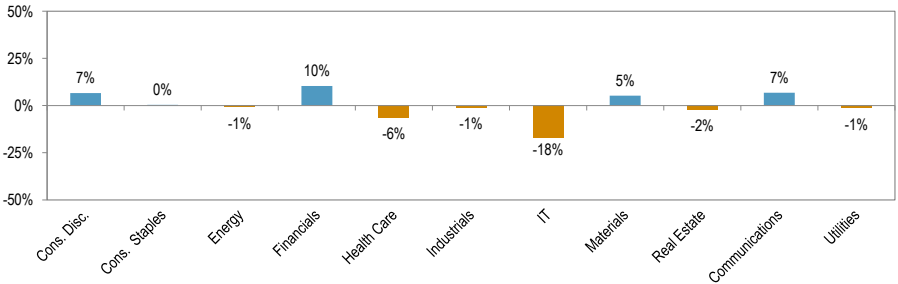
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 90% | 0% |
| Active Share (Sector) | 30% | 0% |
| Concentration (HH Index) | 152.0 | 120.7 |
| Correlation (stock) | 0.28 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.46 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 42% | 35% |
| 12M - 1M price return | -20% | -11% |
| Book/Price | 0.76 | 0.25 |
| Earnings/Price | 0.08 | 0.05 |
| Sales/Price | 1.63 | 0.41 |
| Stock Beta | 1.07 | 1.00 |
| Yield (12M trailing) | 2.8% | 1.7% |
| R.O.E. | 14% | 33% |
| Market Cap (U.S. \$ bn) | 41.5 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|----------------|-------|-------|-------|
| Financials | 22% | 12% | 10% |
| Communications | 14% | 7% | 7% |
| IT | 9% | 26% | 18% |
| Health Care | 9% | 15% | 6% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Buyback

Description

The S&P 500 Buyback is designed to measure the performance of the top 100 stocks in the S&P 500 by buyback ratio. The components are equally weighted. As of January 31, 2023 the index comprised 100 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 8.4% | 9.4% | 8.4% | 1.0% | 13.2% | 9.9% | 14.0% | 12.3% |
| Relative to Benchmark | 2.1% | 3.7% | 2.1% | 9.2% | 3.3% | 0.4% | 1.3% | 2.6% |
| Index Volatility | | | | 22.3% | 24.4% | 21.9% | 17.6% | 19.1% |
| Tracking Error | | | | 6.9% | 8.6% | 7.6% | 6.2% | 6.3% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.96

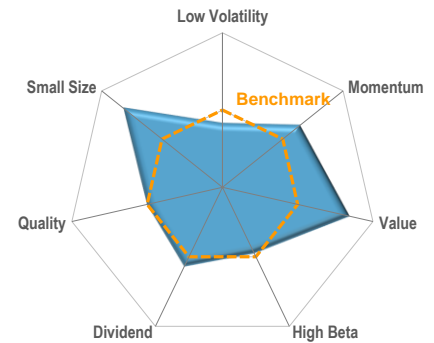
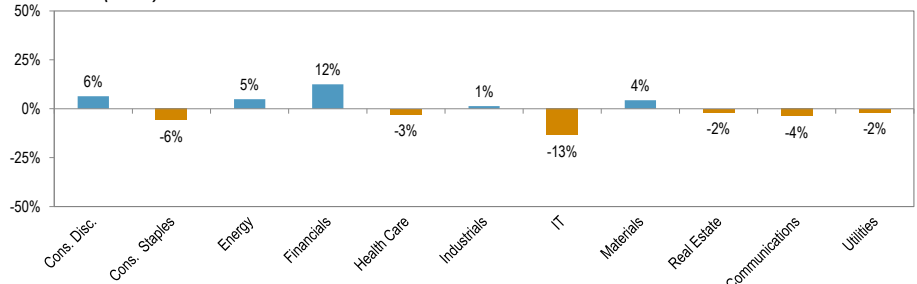
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 87% | 0% |
| Active Share (Sector) | 30% | 0% |
| Concentration (HH Index) | 100.2 | 120.7 |
| Correlation (stock) | 0.40 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.94 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 38% | 35% |
| 12M - 1M price return | -2% | -11% |
| Book/Price | 0.35 | 0.25 |
| Earnings/Price | 0.08 | 0.05 |
| Sales/Price | 0.93 | 0.41 |
| Stock Beta | 0.95 | 1.00 |
| Yield (12M trailing) | 1.9% | 1.7% |
| R.O.E. | 34% | 33% |
| Market Cap (U.S. \$ bn) | 44.3 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|---------------|-------|-------|-------|
| Financials | 24% | 12% | 12% |
| Cons. Disc. | 17% | 10% | 6% |
| IT | 13% | 26% | 13% |
| Cons. Staples | 1% | 7% | 6% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P Dow Jones Indices

A Division of **S&P Global**

Index Dashboard: S&P 500® Factor Indices
January 2023

S&P 500 High Beta

Description

The S&P 500 High Beta is designed to measure the performance of the top 100 stocks in the S&P 500 by sensitivity to market returns. The weighting is in proportional to the beta coefficient of each constituent. As of January 31, 2023 the index comprised 98 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 16.2% | 16.3% | 16.2% | -1.9% | 19.6% | 12.0% | 13.7% | 8.1% |
| Relative to Benchmark | 9.9% | 10.6% | 9.9% | 6.3% | 9.7% | 2.5% | 1.0% | -1.6% |
| Index Volatility | | | | 30.8% | 34.1% | 29.8% | 23.9% | 28.4% |
| Tracking Error | | | | 11.8% | 18.2% | 15.4% | 12.9% | 15.2% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.44

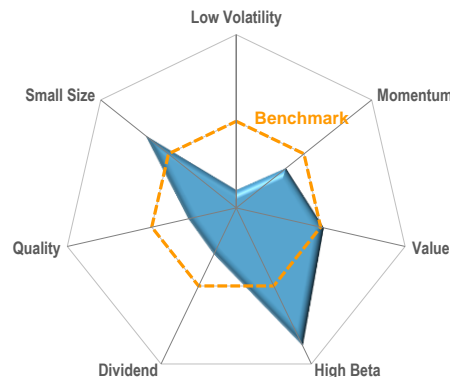
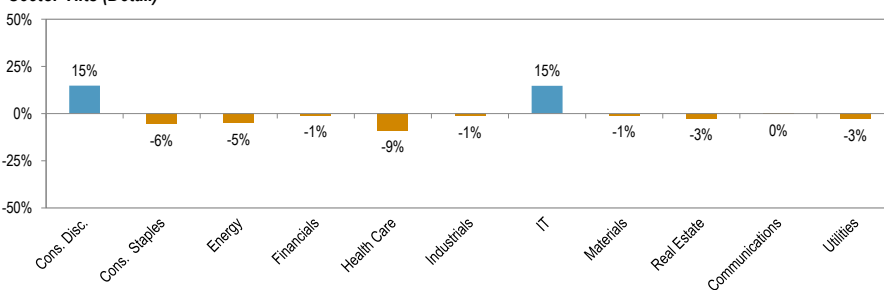
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 81% | 0% |
| Active Share (Sector) | 30% | 0% |
| Concentration (HH Index) | 106.3 | 120.7 |
| Correlation (stock) | 0.48 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.93 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 53% | 35% |
| 12M - 1M price return | -34% | -11% |
| Book/Price | 27% | 25% |
| Earnings/Price | 4% | 5% |
| Sales/Price | 52% | 41% |
| Stock Beta | 147% | 100% |
| Yield (12M trailing) | 0.6% | 1.7% |
| R.O.E. | 22% | 33% |
| Market Cap (U.S. \$ bn) | 108.7 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|---------------|-------|-------|-------|
| Cons. Disc. | 25% | 10% | 15% |
| IT | 41% | 26% | 15% |
| Health Care | 6% | 15% | 9% |
| Cons. Staples | 1% | 7% | 6% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P 500 Enhanced Value

Description

The S&P 500 Enhanced Value is designed to measure the performance of the 100 stocks in the S&P 500 with the highest average book value-to-price, earnings-to-price, and sales-to-price. The weighting is proportional to both the value score and the market capitalization of each component. As of January 31, 2023 the index comprised 100 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 8.6% | 8.7% | 8.6% | 1.7% | 10.1% | 6.8% | 11.6% | 8.1% |
| Relative to Benchmark | 2.3% | 2.9% | 2.3% | 9.9% | 0.2% | -2.7% | -1.1% | -1.6% |
| Index Volatility | | | | 24.6% | 27.7% | 24.3% | 19.4% | 22.5% |
| Tracking Error | | | | 9.8% | 14.0% | 12.2% | 9.6% | 10.3% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.87

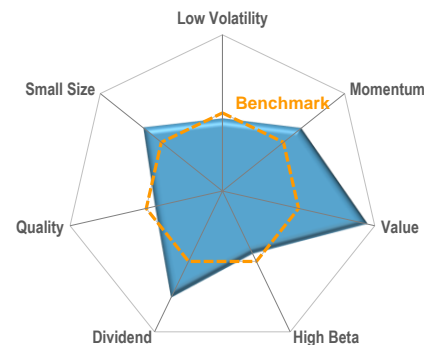
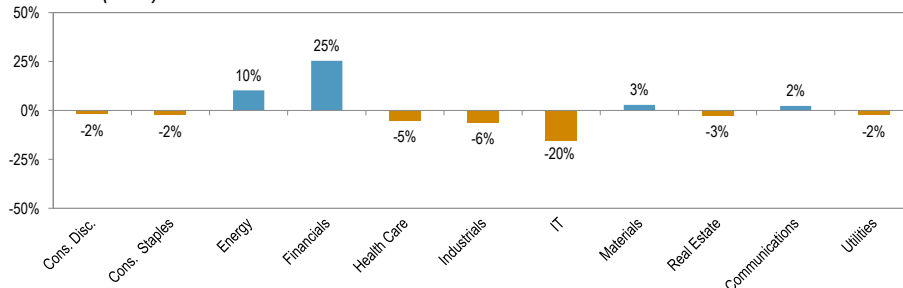
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 87% | 0% |
| Active Share (Sector) | 41% | 0% |
| Concentration (HH Index) | 234.1 | 120.7 |
| Correlation (stock) | 0.40 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.42 | 0.04 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 36% | 35% |
| 12M - 1M price return | 0% | -11% |
| Book/Price | 0.67 | 0.25 |
| Earnings/Price | 0.10 | 0.05 |
| Sales/Price | 1.23 | 0.41 |
| Stock Beta | 0.91 | 1.00 |
| Yield (12M trailing) | 2.9% | 1.7% |
| R.O.E. | 20% | 33% |
| Market Cap (U.S. \$ bn) | 120.1 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|-------------|-------|-------|-------|
| Financials | 37% | 12% | 25% |
| Energy | 15% | 5% | 10% |
| IT | 7% | 26% | 20% |
| Industrials | 2% | 8% | 6% |

Sector Tilts (Detail)



Factor Exposure Chart

S&P Dow Jones Indices

A Division of **S&P Global**

Index Dashboard: S&P 500® Factor Indices
January 2023

S&P 500 Equal Weight

Description

The S&P 500 Equal Weight comprises all the constituents in the S&P 500, equally weighted at each quarterly rebalance. As of January 31, 2023 the index comprised 503 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 7.4% | 9.2% | 7.4% | -0.6% | 12.3% | 9.7% | 12.5% | 10.7% |
| Relative to Benchmark | 1.1% | 3.4% | 1.1% | 7.6% | 2.4% | 0.2% | -0.2% | 1.0% |
| Index Volatility | | | | 21.7% | 22.8% | 20.1% | 15.9% | 18.5% |
| Tracking Error | | | | 3.9% | 6.1% | 5.2% | 4.0% | 4.7% |

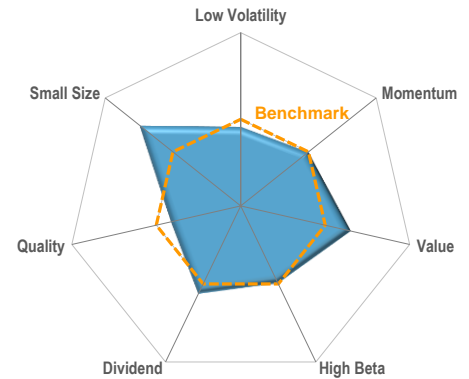
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.93

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 48% | 0% |
| Active Share (Sector) | 18% | 0% |
| Concentration (HH Index) | 20.1 | 120.7 |
| Correlation (stock) | 0.40 | 0.47 |
| Ann. Turnover (last 10 yr) | 0.22 | 0.04 |

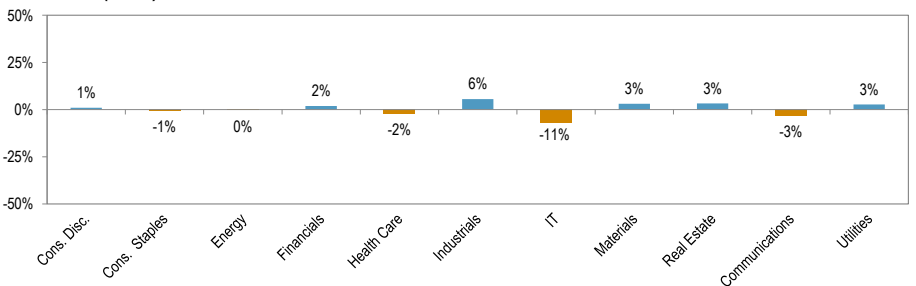
| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 37% | 35% |
| 12M - 1M price return | -10% | -11% |
| Book/Price | 0.32 | 0.25 |
| Earnings/Price | 0.05 | 0.05 |
| Sales/Price | 0.58 | 0.41 |
| Stock Beta | 1.00 | 1.00 |
| Yield (12M trailing) | 1.9% | 1.7% |
| R.O.E. | 25% | 33% |
| Market Cap (U.S. \$ bn) | 69.7 | 432.8 |

Top Sector Tilts (versus benchmark)

| Sector | Index | Bmark | Diff. |
|----------------|-------|-------|-------|
| Industrials | 14% | 8% | 6% |
| Real Estate | 6% | 3% | 3% |
| IT | 15% | 26% | 11% |
| Communications | 4% | 7% | 3% |



Sector Tilts (Detail)



More Factor Resources



Factor Allocator is a complementary web-based tool from Optimal Asset Management that allows advisors to build and analyse simulated portfolios using S&P Factor Indices. Using 15 years of S&P factor index data, explore how individual risk factors behave together and in different market conditions to meet specific performance goals.

Visit factorallocator.com/spdji.



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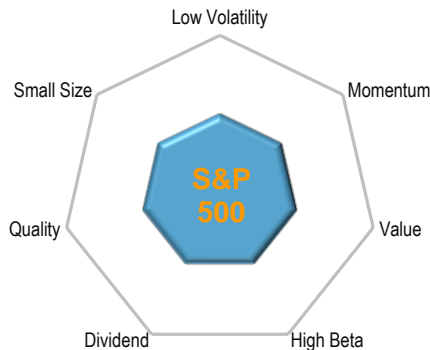


For more about S&P DJI's approach to factors, read "**Factor Indices: A Simple Compendium**" spglobal.com/spdji/en/research/article/factor-indices-a-simple-compendium

KEY TO FACTOR SCORINGS FOR INDICES

Factor Definitions

Each constituent of the S&P 500 index is provided with a factor "score" for each of Beta, Volatility, Momentum, Dividend, Size, Value and Quality.



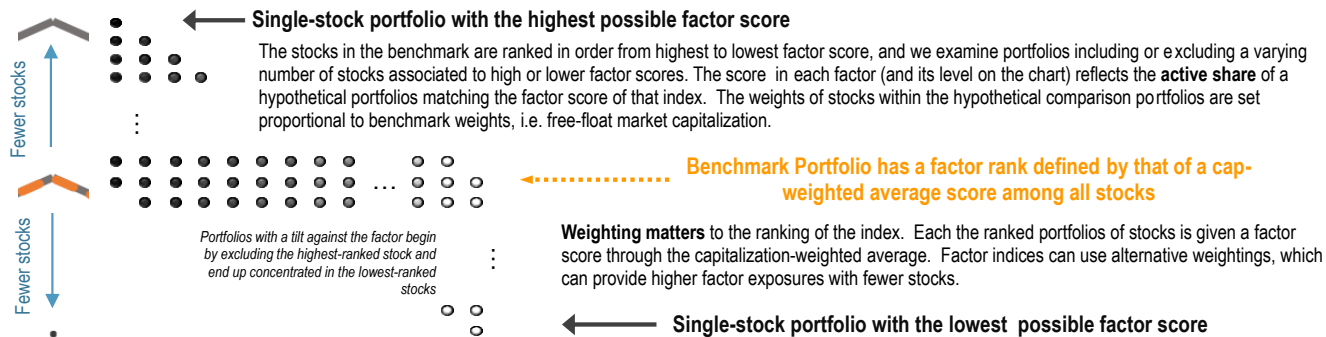
| Factor | Measurement at single-stock level |
|-------------------|---|
| Volatility | Trailing 12-month daily volatility. |
| Momentum | Twelve-month total return change as of one month ago ("13 minus 1 momentum"), divided by the daily volatility during the twelve-month period that ended one month prior. For more details, see the S&P Momentum methodology. |
| Value | The average of (normalized) earnings to price ratio, book to price ratio and sales to price ratio. For more details, see the S&P Value methodology. |
| Beta | Trailing 1 year beta of daily returns to the benchmark's returns. |
| Dividend | Trailing 12-month dividend. |
| Quality | The average of the (normalized) return on equity, the negative of the accruals ratio and the negative of the financial leverage ratio. For more details, see the S&P Quality methodology. Average and standard deviations for each metric follow below. |
| Size | Free-float market capitalization. |

Index Factor Ranking and Factor Diagram Scaling

Index Scores

Each index is provided score in each factor from -100% to +100% based on how much of the total capitalization of the benchmark must be excluded in order to provide a portfolio of stocks with similar exposure to that factor. This is done by examining a ranked series of hypothetical cap-weighted portfolios, including or excluding an increasing number of the stocks with the highest or lowest scores. An illustration of the process is below, further details may be found at this [link](#).

Factor Diagram Axis



Notes On Additional Index Statistics

| Statistic | Notes |
|--------------------------|---|
| Active Share (Stock) | Ranging from 0 to 100%, "active share" is a measure of how much a portfolio's composition differs from that of its benchmark, and provides the amount of trading theoretically required to switch from a position in one to a position in the other. The Active Share (Stock) for each index is calculated as the absolute sum of difference between S&P 500 stock weights and Index stock weights, divided by two. |
| Active Share (Sector) | The Active Share (Sector) is the absolute sum of difference between S&P 500 sector weights and Index sector weights, divided by two. |
| Concentration (HH Index) | The Herfindahl-Hirschman ("HH") concentration measure is equal to the index constituent's percentage weights, squared. For example, the HH measure of a single-stock portfolio is 10,000 (the maximum possible). The HH measure of a 100-stock, equally weighted index is 100. |
| Correlation (Stock) | Calculated as the weighted-average 1Yr trailing daily variance of current index constituents, divided by the 1Yr trailing daily Index variance. The value approximates an average stock-to-stock correlation of index constituents, weighted proportionally to both constituent weight and constituent volatility. |

Benchmark Statistics for Value, Quality and Momentum (normalization variables)

| | VALUE | | | QUALITY | | | MOMENTUM | |
|--|-------------------|---------------|----------------|---------------|------------------|----------------|-----------------|------------------------|
| | Earnings to Price | Book to Price | Sales to Price | Accrual Ratio | Return on Equity | Leverage Ratio | 13M - 1M Return | Daily Price Volatility |
| S&P 500 index-weighted average | 0.045 | 0.247 | 0.413 | 9.39% | 32.53% | 1.29 | -10.67% | 2.23% |
| S&P 500 index-weighted standard deviation | 0.035 | 0.253 | 0.474 | 17.57% | 28.59% | 1.09 | 30.00% | 0.73% |

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Performance Disclosure

The S&P 500 Buyback Index was launched November 29, 2012. The S&P 500 Enhanced Value Index was launched April 27, 2015. The S&P 500 Revenue-Weighted was launched on Dec 30, 2005. The S&P 500 Pure Value was launched December 16, 2005. The S&P 500 Quality Index was launched July 8, 2014. The S&P 500 Pure Growth was launched December 16, 2005. The S&P 500 Momentum was launched November 18, 2014. The S&P 500 High Beta Index was launched April 4, 2011. The S&P 500 Equal Weight Index was launched January 8, 2003. The S&P 500 Low Volatility High Dividend Index was launched September 17, 2012. The S&P 500 Dividend Aristocrats was launched May 2, 2005. The S&P 500 High Dividend Index was launched September 21, 2015. The S&P 500 Minimum Volatility Index was launched November 9, 2012. The S&P 500 Low Volatility Index was launched April 4, 2011. 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 Top 5 & 10 Equal Weight 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. 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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 backtested. 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. 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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).