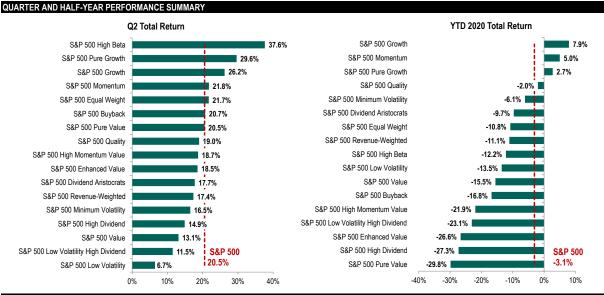
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INDEX INVESTMENT STRATEGY

Index Dashboard: S&P 500® Factor Indices June 2020



COMMENTARY

Growth and Momentum have stood supreme this year, outperforming in both the first and second quarter of 2020 and finishing with a positive return year-to-date. As spring turned to summer, however, every factor was overtaken by the rocket-like recovery in High Beta, which rode hopes for a rapid economic recovery to a 38% gain in Q2.

Value and Dividend strategies continued to have a difficult time and, although small - and mid-cap U.S. equities began to perform a little better more recently, the overall strength of the largest companies has left a significant majority of our S&P 500 factor indices trailing the capitalization-weighted benchmark year-to-date.

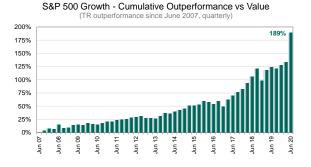
A reprieve in underperformance of stocks with strong value characteristics may be in the prayers of many quantitative equity managers, but despite transient flickers of recovery, such hopes keep being dashed against the rocks of growth's outperformance.

Since June 2007, the S&P 500 Growth index has a cumulative total return of 376%, doubling S&P 500 Value's return of 187%. While the underperformance has largely been a steady grind over the quarters, this year, and particularly this quarter, the trend strengthened materially.



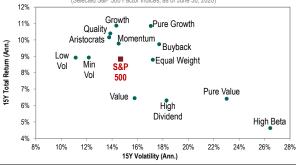
The chart on the right illustrates the updated long-term risk/return profiles for a selected range of single factor indices after the turmoil of 2020. Low Volatility retains the highest ratio of return to volatility over the past 15 years, but this improvement is now almost entirely attributable to a reduction in risk.

Growth has moved into the lead on a pure returns basis, and the generally inverse relationship between risk and return across the factor series continues to emphasize the point that – in the long term – it has been better diminish risk than to seek market-beating returns.



The S&P 500 High Beta Index has been on a roller coaster ride over the past 12 months. Up more than 10% at one point, by March the index had fallen by almost half from its February high. It then picked up on on a near-vertical recovery in lockdown-sensitive industries such as airlines, banks and hotels, to rise an astonishing 94%. By the second week of June, the High Beta index was making all-time highs. A decline of more than 20% followed; it is now not far from where it was last summer.





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Index Dashboard: S&P 500® Factor Indices

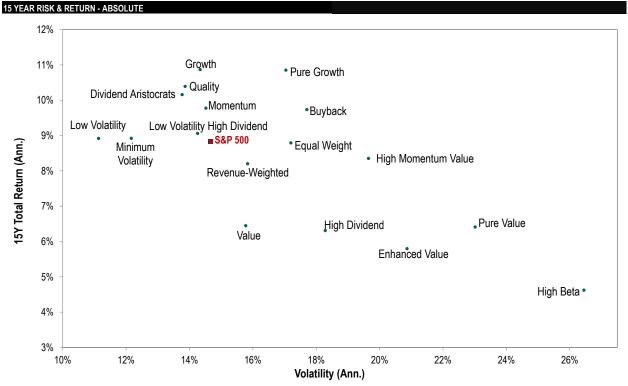
June 2020

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| Core factor performanc | e by ca | lendar year | 2005-presen | ıt: | | | | | |
|------------------------|------------------|-------------|-------------|--------|---------|--------|--------|--------|--------|
| Total Return | | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Value | | 5.82% | 20.80% | 1.99% | -39.22% | 21.18% | 15.10% | -0.48% | 17.68% |
| Low Volatility | | 2.20% | 19.69% | 0.58% | -21.41% | 19.22% | 13.36% | 14.78% | 10.30% |
| Momentum | | 16.69% | 9.61% | 9.89% | -34.56% | 17.24% | 18.72% | 1.60% | 17.33% |
| Quality | | 5.07% | 17.59% | 15.50% | -34.06% | 30.46% | 14.95% | 10.89% | 14.68% |
| S&P 500 | | 4.91% | 15.79% | 5.49% | -37.00% | 26.46% | 15.06% | 2.11% | 16.00% |
| Relative to Benchma | rk 20% | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| ■ Value | 15% 10% | | | | | | | | |
| ■ Low Volatility | 5% 0% | ┓ | | | | | | | |
| Momentum | -5% | | | | | | | | |
| | -10% | | | | | | | | |
| ■ Quality | -15% | | | | | | | | |
| ·····, | -20% | | | | | | | | |

| Total Return | | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|--------------------|------|--------|--------------|--------|--------|--------|--------|-----------|---------|
| Value | | 31.99% | 12.36% | -3.13% | 17.40% | 15.36% | -8.95% | 31.93% | -15.52% |
| Low Volatility | | 23.59% | 17.49% | 4.34% | 10.37% | 17.41% | 0.27% | 28.26% | -13.53% |
| Momentum | | 31.42% | 11.23% | 5.56% | 5.70% | 28.27% | -0.04% | 26.25% | 5.02% |
| Quality | | 34.24% | 14.95% | 0.38% | 9.56% | 19.51% | -6.79% | 33.91% | -1.98% |
| S&P 500 | | 32.39% | 13.69% | 1.38% | 11.96% | 21.83% | -4.38% | 31.49% | -3.08% |
| Relative to Benchr | mark | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| | 20% | | | | | | | | |
| ■ Value | 15% | | | | | | | | |
| | 10% | | | | | | | | |
| Low Volatility | 5% | | | | | | | | |
| | 0% | | _₽ ₽₽ | | | | | ── | |
| Momentum | -5% | | | | | | - | | |
| | -10% | | | | | | | | |
| ■ Quality | -15% | | | | | | | | |
| | -20% | | | | | | | | |

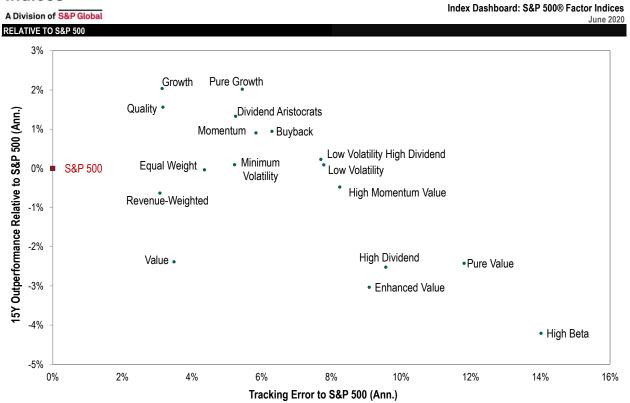
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TOTAL RETURN AND VOLATILITY

| TOTAL RETURN | 1M | 3M | 12M | 3Y | 5Y | 10Y | 15Y |
|--------------------------------------|---------|-----------|------------|----------|----------|---------|---------|
| S&P 500 Growth | 4.1% | 26.2% | 17.8% | 16.7% | 14.6% | 16.6% | 10.9% |
| S&P 500 Pure Growth | 2.7% | 29.6% | 9.9% | 12.4% | 10.9% | 16.2% | 10.9% |
| S&P 500 Quality | 0.6% | 19.0% | 9.3% | 10.5% | 9.7% | 14.3% | 10.4% |
| S&P 500 Dividend Aristocrats | 1.2% | 17.7% | -0.3% | 8.1% | 9.2% | 13.9% | 10.2% |
| S&P 500 Momentum | 2.7% | 21.8% | 10.0% | 15.4% | 13.6% | 15.4% | 9.8% |
| S&P 500 Buyback | 2.2% | 20.7% | -7.7% | 4.9% | 6.2% | 13.6% | 9.7% |
| S&P 500 Low Volatility High Dividend | -0.6% | 11.5% | -17.6% | -2.1% | 5.3% | 10.8% | 9.1% |
| S&P 500 Minimum Volatility | 0.4% | 16.5% | 3.7% | 9.4% | 10.5% | 14.1% | 8.9% |
| S&P 500 Low Volatility | -0.4% | 6.7% | -7.2% | 6.2% | 9.0% | 12.4% | 8.9% |
| S&P 500 Equal Weight | 1.6% | 21.7% | -3.2% | 5.4% | 7.1% | 12.6% | 8.8% |
| S&P 500 High Momentum Value | 1.3% | 18.7% | -15.0% | -2.5% | 2.9% | 11.3% | 8.4% |
| S&P 500 Revenue-Weighted | 0.5% | 17.4% | -1.6% | 5.9% | 7.1% | 12.8% | 8.2% |
| S&P 500 Value | -1.0% | 13.1% | -4.5% | 3.7% | 6.0% | 10.9% | 6.4% |
| S&P 500 Pure Value | 2.1% | 20.5% | -24.2% | -4.5% | 0.3% | 9.9% | 6.4% |
| S&P 500 High Dividend | 0.6% | 14.9% | -22.6% | -2.8% | 3.8% | 10.4% | 6.3% |
| &P 500 Enhanced Value | 0.6% | 18.5% | -17.4% | -1.3% | 3.2% | 10.6% | 5.8% |
| S&P 500 High Beta | 5.9% | 37.6% | -3.4% | 4.9% | 5.7% | 10.3% | 4.6% |
| S&P 500 | 2.0% | 20.5% | 7.5% | 10.7% | 10.7% | 14.0% | 8.8% |
| | Perform | ance figu | ires for m | ore than | one year | are ann | alized. |

| VOLATILITY (ANN.) | 12M | 3Y | 5Y | 10Y | 15Y |
|--------------------------------------|-------|-------|-------|-------|-------|
| S&P 500 Growth | 20.2% | 16.5% | 14.8% | 13.3% | 14.3% |
| S&P 500 Pure Growth | 25.5% | 19.6% | 16.9% | 15.7% | 17.0% |
| S&P 500 Quality | 19.0% | 15.9% | 14.0% | 12.7% | 13.9% |
| S&P 500 Dividend Aristocrats | 20.9% | 16.2% | 14.0% | 12.5% | 13.8% |
| S&P 500 Momentum | 18.0% | 16.1% | 14.0% | 13.4% | 14.5% |
| S&P 500 Buyback | 29.1% | 21.9% | 19.0% | 16.3% | 17.7% |
| S&P 500 Low Volatility High Dividend | 26.1% | 18.4% | 15.7% | 13.0% | 14.3% |
| S&P 500 Minimum Volatility | 19.7% | 15.3% | 13.1% | 11.2% | 12.2% |
| S&P 500 Low Volatility | 18.2% | 13.6% | 12.2% | 10.6% | 11.1% |
| S&P 500 Equal Weight | 26.0% | 19.5% | 16.7% | 15.2% | 17.2% |
| S&P 500 High Momentum Value | 30.8% | 22.2% | 18.7% | 16.4% | 19.6% |
| S&P 500 Revenue-Weighted | 22.4% | 18.0% | 15.5% | 14.3% | 15.8% |
| S&P 500 Value | 22.6% | 17.8% | 15.4% | 14.1% | 15.8% |
| S&P 500 Pure Value | 36.1% | 25.7% | 21.8% | 19.3% | 23.0% |
| S&P 500 High Dividend | 32.6% | 22.0% | 18.2% | 14.8% | 18.3% |
| S&P 500 Enhanced Value | 33.4% | 23.9% | 20.7% | 18.4% | 20.9% |
| S&P 500 High Beta | 36.9% | 27.6% | 24.9% | 23.2% | 26.4% |
| S&P 500 | 20.9% | 16.7% | 14.6% | 13.4% | 14.7% |
| | | | | | |



RELATIVE RETURN AND TRACKING ERROR

| S&P 500 Growth 2.1% 5.7% 10.2% 6.0% 3.9% 2.6% 2.0% S&P 500 Pure Growth 0.7% 9.1% 2.4% 1.7% 0.2% 2.2% 2.0% S&P 500 Quality -1.4% -1.6% 1.8% -0.2% -1.1% 0.3% 1.6% S&P 500 Quality -1.4% -1.6% 1.8% -0.2% -1.1% 0.3% 1.6% S&P 500 Dividend Aristocrats -0.8% -2.8% -7.8% -2.7% -1.5% -0.1% 1.3% S&P 500 Momentum 0.7% 1.2% 2.5% 4.7% 2.9% 1.4% 0.9% S&P 500 Buyback 0.2% 0.2% -15.2% -5.9% -4.5% -0.4% 0.9% S&P 500 Low Volatility High Dividend -2.6% -9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P S&P 500 Low Volatility -1.6% -4.1% -3.8% -1.3% 0.1% S&P S&P 500 Low Volatility -2.4% 13.8% -14.7% </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | | | | | |
|--|--------------------------------------|---------|-----------|------------|----------|----------|---------|----------|-----------------|
| S&P 500 Pure Growth 0.7% 9.1% 2.4% 1.7% 0.2% 2.2% 2.0% S&P 500 Quality 1.4% 1.6% 1.8% -0.2% 1.1% 0.3% 1.6% S&P 500 Dividend Aristocrats -0.8% -2.8% -7.8% -2.7% 1.5% -0.1% 1.3% S&P 500 Momentum 0.7% 1.2% 2.5% 4.7% 2.9% 1.4% 0.9% S&P 500 Buyback 0.2% 0.2% -15.2% -5.9% 4.5% 0.4% 0.9% S&P 500 Low Volatility High Dividend -2.6% -9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P 500 Low Volatility -1.6% 4.1% -3.8% -1.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.6% 0.1% S&P S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% 1.2% 0.6% S&P S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% 0.6% S&P | PERFORMANCE v S&P 500 | 1M | QTR | 1YR | 3YR | 5YR | 10YR | 15YR | TRACKING ERR |
| S&P 500 Quality -1.4% -1.6% 1.8% -0.2% -1.1% 0.3% 1.6% S&P 500 Dividend Aristocrats -0.8% -2.8% -7.8% -2.7% -1.5% 0.1% 1.3% S&P 500 Dividend Aristocrats 0.7% 1.2% 2.5% 4.7% 2.9% 1.4% 0.9% S&P 500 Buyback 0.2% 0.2% -15.2% -5.9% 4.5% -0.4% 0.9% S&P 500 Low Volatility High Dividend -2.6% -9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P 500 Low Volatility -1.6% -4.1% -3.8% -1.3% 0.1% 0.1% S&P 500 Low Volatility -1.6% -4.1% -3.8% -1.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P 500 High Momentum Value -0.7% -1.8% -2.5% -13.3% -7.9% -2.7% -0.5% S&P 500 Nevenue-Wei | S&P 500 Growth | 2.1% | 5.7% | 10.2% | 6.0% | 3.9% | 2.6% | 2.0% | S&P 500 Growth |
| S&P 500 Dividend Aristocrats -0.8% -2.8% -7.8% -2.7% -1.5% -0.1% 1.3% S&P 500 Dividend Aristocrats 0.7% 1.2% 2.5% 4.7% 2.9% 1.4% 0.9% S&P 500 Buyback 0.2% 0.2% -15.2% -5.9% -4.5% -0.4% 0.9% S&P 500 Low Volatility High Dividend -2.6% -9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P 500 Low Volatility -1.6% -4.1% -3.8% -1.3% -0.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P S&P 500 Value -2.9% -7.4% -12.0% - | S&P 500 Pure Growth | 0.7% | 9.1% | 2.4% | 1.7% | 0.2% | 2.2% | 2.0% | S&P 500 Pure 0 |
| S&P 500 Momentum 0.7% 1.2% 2.5% 4.7% 2.9% 1.4% 0.9% S&P 500 Buyback 0.2% 0.2% -15.2% -5.9% -4.5% 0.4% 0.9% S&P 500 Low Volatility High Dividend -2.6% 9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P 500 Low Volatility -1.6% -4.1% -3.8% -1.3% -0.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% 13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% -2.5% S&P <t< td=""><td>S&P 500 Quality</td><td>-1.4%</td><td>-1.6%</td><td>1.8%</td><td>-0.2%</td><td>-1.1%</td><td>0.3%</td><td>1.6%</td><td>S&P 500 Quality</td></t<> | S&P 500 Quality | -1.4% | -1.6% | 1.8% | -0.2% | -1.1% | 0.3% | 1.6% | S&P 500 Quality |
| S&P 500 Buyback 0.2% 0.2% -15.2% -5.9% -4.5% -0.4% 0.9% S&P 500 Low Volatility High Dividend -2.6% -9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P 500 Low Volatility -1.6% -4.1% -3.8% -1.3% -0.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P 500 High Momentum Value -0.7% -1.8% -22.5% -13.3% -7.9% -2.7% -0.5% S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% 4.1% 2.4% S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% | S&P 500 Dividend Aristocrats | -0.8% | -2.8% | -7.8% | -2.7% | -1.5% | -0.1% | 1.3% | S&P 500 Divide |
| S&P 500 Low Volatility High Dividen -2.6% -9.0% -25.1% -12.8% -5.4% -3.2% 0.2% S&P 500 Low Volatility 1.6% -4.1% -3.8% -1.3% 0.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% 13.8% 14.7% 4.5% 1.8% -1.6% 0.1% S&P 500 Low Volatility -0.4% 1.2% 10.8% -5.3% 3.6% -1.3% 0.0% S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P 500 High Momentum Value -0.7% -1.8% -22.5% -13.3% -7.9% -2.7% -0.5% S&P 500 Value -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% -4.1% S&P S&P 500 High Dividend -1.4% | S&P 500 Momentum | 0.7% | 1.2% | 2.5% | 4.7% | 2.9% | 1.4% | 0.9% | S&P 500 Mome |
| S&P 500 Minimum Volatility -1.6% -4.1% -3.8% -1.3% -0.3% 0.1% 0.1% S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P S&P 500 High Momentum Value -0.7% -1.8% -22.5% -13.3% -7.9% -2.7% -0.5% S&P S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% -4.1% -2.4% S&P S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1%< | S&P 500 Buyback | 0.2% | 0.2% | -15.2% | -5.9% | -4.5% | -0.4% | 0.9% | S&P 500 Buyba |
| S&P 500 Low Volatility -2.4% -13.8% -14.7% -4.5% -1.8% -1.6% 0.1% S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% 1.3% 0.0% S&P 500 High Momentum Value -0.7% 1.8% -22.5% -13.3% -7.9% -2.7% -0.5% S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% 4.1% -2.4% S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% 4.2% | S&P 500 Low Volatility High Dividend | -2.6% | -9.0% | -25.1% | -12.8% | -5.4% | -3.2% | 0.2% | S&P 500 Low V |
| S&P 500 Equal Weight -0.4% 1.2% -10.8% -5.3% -3.6% -1.3% 0.0% S&P 500 High Momentum Value -0.7% -1.8% -22.5% -13.3% -7.9% -2.7% -0.5% S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% 4.1% -2.4% S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% 4.1% -2.4% S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% 4.2% | S&P 500 Minimum Volatility | -1.6% | -4.1% | -3.8% | -1.3% | -0.3% | 0.1% | 0.1% | S&P 500 Minim |
| S&P 500 High Momentum Value -0.7% -1.8% -22.5% -13.3% -7.9% -2.7% -0.5% S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% -4.8% -3.6% -1.2% -0.6% S&P S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P S&P 500 Value 0.1% 0.0% -31.7% -15.2% -10.4% -4.1% -2.4% S&P S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% 4.2% | S&P 500 Low Volatility | -2.4% | -13.8% | -14.7% | -4.5% | -1.8% | -1.6% | 0.1% | S&P 500 Low V |
| S&P 500 Revenue-Weighted -1.4% -3.2% -9.1% 4.8% -3.6% -1.2% -0.6% S&P S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% -4.1% -2.4% S&P S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% -4.2% | S&P 500 Equal Weight | -0.4% | 1.2% | -10.8% | -5.3% | -3.6% | -1.3% | 0.0% | S&P 500 Equal |
| S&P 500 Value -2.9% -7.4% -12.0% -7.0% -4.7% -3.1% -2.4% S&P S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% -4.1% -2.4% S&P S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% -4.2% | S&P 500 High Momentum Value | -0.7% | -1.8% | -22.5% | -13.3% | -7.9% | -2.7% | -0.5% | S&P 500 High N |
| S&P 500 Pure Value 0.1% 0.0% -31.7% -15.2% -10.4% -4.1% -2.4% S&P S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% -4.2% S&P | S&P 500 Revenue-Weighted | -1.4% | -3.2% | -9.1% | -4.8% | -3.6% | -1.2% | -0.6% | S&P 500 Reven |
| S&P 500 High Dividend -1.4% -5.6% -30.1% -13.5% -7.0% -3.6% -2.5% S&P S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% -4.2% S&P | S&P 500 Value | -2.9% | -7.4% | -12.0% | -7.0% | -4.7% | -3.1% | -2.4% | S&P 500 Value |
| S&P 500 Enhanced Value -1.4% -2.0% -24.9% -12.1% -7.5% -3.4% -3.0% S&P S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% 4.2% S&P | S&P 500 Pure Value | 0.1% | 0.0% | -31.7% | -15.2% | -10.4% | -4.1% | -2.4% | S&P 500 Pure V |
| S&P 500 High Beta 3.9% 17.1% -10.9% -5.8% -5.0% -3.7% -4.2% S&P | S&P 500 High Dividend | -1.4% | -5.6% | -30.1% | -13.5% | -7.0% | -3.6% | -2.5% | S&P 500 High D |
| - | S&P 500 Enhanced Value | -1.4% | -2.0% | -24.9% | -12.1% | -7.5% | -3.4% | -3.0% | S&P 500 Enhan |
| Performance figures for more than one year are annualized. | S&P 500 High Beta | 3.9% | 17.1% | -10.9% | -5.8% | -5.0% | -3.7% | -4.2% | S&P 500 High E |
| | | Perform | ance figu | ires for m | ore than | one year | are ann | ualized. | |

| TRACKING ERROR v S&P 500 (ANN.) | 1YR | 3YR | 5YR | 10YR | 15YR |
|--------------------------------------|-------|-------|-------|-------|-------|
| S&P 500 Growth | 4.0% | 3.4% | 3.4% | 2.9% | 3.1% |
| S&P 500 Pure Growth | 6.7% | 5.6% | 5.1% | 5.4% | 5.4% |
| S&P 500 Quality | 3.4% | 3.3% | 2.8% | 3.0% | 3.2% |
| S&P 500 Dividend Aristocrats | 4.0% | 4.7% | 4.6% | 4.5% | 5.3% |
| S&P 500 Momentum | 6.4% | 6.2% | 5.5% | 5.0% | 6.3% |
| S&P 500 Buyback | 10.2% | 7.2% | 6.5% | 5.4% | 5.8% |
| S&P 500 Low Volatility High Dividend | 9.3% | 8.2% | 8.1% | 8.1% | 7.7% |
| S&P 500 Minimum Volatility | 3.4% | 3.4% | 4.9% | 5.0% | 5.2% |
| S&P 500 Low Volatility | 9.6% | 8.4% | 7.8% | 8.0% | 7.8% |
| S&P 500 Equal Weight | 6.0% | 4.4% | 3.8% | 3.3% | 4.4% |
| S&P 500 High Momentum Value | 12.2% | 8.3% | 7.3% | 6.0% | 8.2% |
| S&P 500 Revenue-Weighted | 3.6% | 3.5% | 3.1% | 2.7% | 3.1% |
| S&P 500 Value | 4.8% | 4.0% | 3.9% | 3.3% | 3.5% |
| S&P 500 Pure Value | 17.3% | 11.8% | 10.2% | 8.7% | 11.8% |
| S&P 500 High Dividend | 14.9% | 10.5% | 9.3% | 8.5% | 9.6% |
| S&P 500 Enhanced Value | 14.8% | 10.3% | 9.4% | 7.9% | 9.1% |
| S&P 500 High Beta | 17.4% | 12.5% | 12.8% | 12.0% | 14.0% |

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Index Dashboard: S&P 500® Factor Indices June 2020

DEGREE OF PORTFOLIO OVERLAP AND RELATIVE RETURN CORRELATIONS

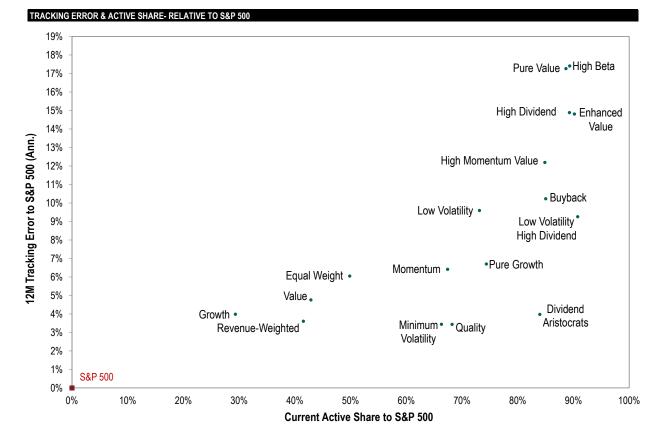
| PORTFOLIO OVERLAP | | | | | | | | | | | | | | | | | | |
|---|------------|------------|-----------|-----------|-------------|------------|------------|----------|--------------------------|-----------|------------|-----------|------------|-----------|-----------|------------|------------|---------|
| | S40 300 | S&P 500 C | Sap San C | Sep Stop | Sep 5001 | S&D 500 1. | S&P 500 r. | S&P 5001 | S&P 500 Li S&P 500 Li | S&p Son 5 | S&p 500 1. | 5&p 500 L | S&P 500 E. | S&p 500 - | Sep Son 5 | Skp Sup E. | S&P 500 L. | 3&p 500 |
| S&P 500 Momentum | 100% | 43% | 35% | 26% | 15% | 26% | 9% | 3% | 4% | 16% | 16% | 5% | 19% | 2% | 7% | 4% | 5% | 33% |
| S&P 500 Growth | 43% | 100% | 31% | 36% | 19% | 23% | 10% | 1% | 3% | 36% | 28% | 4% | 36% | 0% | 11% | 1% | 7% | 71% |
| S&P 500 Quality | 35% | 31% | 100% | 14% | 15% | 23% | 12% | 3% | 3% | 18% | 22% | 6% | 19% | 4% | 12% | 3% | 4% | 32% |
| S&P 500 Pure Growth | 26% | 36% | 14% | 100% | 9% | 11% | 4% | 0% | 2% | 14% | 0% | 8% | 22% | 0% | 18% | 3% | 15% | 26% |
| S&P 500 Low Volatility | 15% | 19% | 15% | 9% | 100% | 28% | 22% | 14% | 10% | 24% | 31% | 14% | 20% | 6% | 10% | 5% | 0% | 27% |
| S&P 500 Minimum Volatility | 26% | 23% | 23% | 11% | 28% | 100% | 18% | 16% | 14% | 30% | 34% | 13% | 20% | 12% | 8% | 9% | 4% | 34% |
| S&P 500 Dividend Aristocrats | 9% | 10% | 12% | 4% | 22% | 18% | 100% | 12% | 14% | 18% | 22% | 13% | 13% | 8% | 4% | 9% | 3% | 16% |
| S&P 500 Low Volatility High Dividend | 3% | 1% | 3% | 0% | 14% | 16% | 12% | 100% | 59% | 13% | 21% | 11% | 10% | 14% | 5% | 12% | 9% | 9% |
| S&P 500 High Dividend | 4% | 3% | 3% | 2% | 10% | 14% | 14% | 59% | 100% | 16% | 21% | 16% | 12% | 19% | 11% | 16% | 19% | 11% |
| S&P 500 Revenue-Weighted | 16% | 36% | 18% | 14% | 24% | 30% | 18% | 13% | 16% | 100% | 59% | 31% | 50% | 32% | 21% | 32% | 17% | 58% |
| S&P 500 Value | 16% | 28% | 22% | 0% | 31% | 34% | 22% | 21% | 21% | 59% | 100% | 25% | 49% | 23% | 18% | 22% | 14% | 57% |
| S&P 500 High Momentum Value | 5% | 4% | 6% | 8% | 14% | 13% | 13% | 11% | 16% | 31% | 25% | 100% | 20% | 37% | 24% | 34% | 21% | 15% |
| S&P 500 Equal Weight | 19% | 36% | 19% | 22% | 20% | 20% | 13% | 10% | 12% | 50% | 49% | 20% | 100% | 20% | 19% | 19% | 19% | 50% |
| S&P 500 Pure Value | 2% | 0% | 4% | 0% | 6% | 12% | 8% | 14% | 19% | 32% | 23% | 37% | 20% | 100% | 24% | 49% | 34% | 11% |
| S&P 500 Buyback | 7% | 11% | 12% | 18% | 10% | 8% | 4% | 5% | 11% | 21% | 18% | 24% | 19% | 24% | 100% | 24% | 34% | 15% |
| S&P 500 Enhanced Value | 4% | 1% | 3% | 3% | 5% | 9% | 9% | 12% | 16% | 32% | 22% | 34% | 19% | 49% | 24% | 100% | 23% | 10% |
| S&P 500 High Beta | 5% | 7% | 4% | 15% | 0% | 4% | 3% | 9% | 19% | 17% | 14% | 21% | 19% | 34% | 34% | 23% | 100% | 11% |
| "Portfolio Overlap" is percentage of inde | ex weights | held in co | ommon be | tween any | r two indic | es. | | | | | | | | | | | | |

RELATIVE RETURN CORRELATIONS

| RELATIVE REPORT CONTRELATION | • | | | | | | | | | | | | | | | | |
|---|-------------------|-----------|---------------|--------------|-------------------|---------------|-----------------|---------------|--------------------------------|------------------|---------------|---------------------|---------------|-----------------------|---------------|-------------------|--------------|
| | ⁰ 301. | Skp Son C | S&p 500,0 | StP 500 D. | ^D 500, | S&P 300 M. | S&P 500 n. | S&P 500, | S&P 500 L'Oaltiny High Divide- | S&P 500 Dividend | S&P 5001. | ⁵ 500 Li | S&P 500 C | S&P 500 C CUAI VIEGHT | Sep Sons | ^D 5005 | S&P 500 His. |
| S&P 500 Momentum | / දී 1.00 | ් 0.57 | / ශී. 0.22 | / දී 0.29 | / දී 0.08 | / දී -0.04 | / දී , -0.40 | / ශී -0.50 | / ශී -0.52 | / දී -0.50 | / ශී -0.56 | / දී , -0.37 | / දී -0.47 | / ශී -0.47 | / ශී -0.46 | / දී -0.49 | -0.34 |
| S&P 500 Growth | 0.57 | 1.00 | 0.26 | 0.36 | -0.22 | -0.18 | -0.64 | -0.67 | -0.65 | -0.78 | -1.00 | -0.72 | -0.69 | -0.71 | -0.68 | -0.77 | -0.45 |
| S&P 500 Quality | 0.22 | 0.26 | 1.00 | -0.16 | -0.14 | 0.05 | -0.02 | -0.42 | -0.49 | -0.22 | -0.26 | -0.53 | -0.42 | -0.50 | -0.41 | -0.52 | -0.39 |
| S&P 500 Pure Growth | 0.29 | 0.36 | -0.16 | 1.00 | -0.02 | -0.11 | -0.21 | -0.09 | 0.04 | -0.25 | -0.34 | 0.19 | 0.25 | 0.15 | 0.23 | 0.09 | 0.34 |
| S&P 500 Low Volatility | 0.08 | -0.22 | -0.14 | -0.02 | 1.00 | 0.72 | 0.39 | 0.54 | 0.41 | -0.07 | 0.23 | 0.18 | 0.17 | -0.02 | 0.00 | 0.03 | -0.30 |
| S&P 500 Minimum Volatility | -0.04 | -0.18 | 0.05 | -0.11 | 0.72 | 1.00 | 0.47 | 0.45 | 0.32 | 0.10 | 0.18 | 0.01 | 0.12 | -0.07 | -0.09 | -0.06 | -0.31 |
| S&P 500 Dividend Aristocrats | -0.40 | -0.64 | -0.02 | -0.21 | 0.39 | 0.47 | 1.00 | 0.61 | 0.52 | 0.55 | 0.64 | 0.43 | 0.56 | 0.41 | 0.43 | 0.43 | 0.21 |
| S&P 500 Low Volatility High Dividend | -0.50 | -0.67 | -0.42 | -0.09 | 0.54 | 0.45 | 0.61 | 1.00 | 0.93 | 0.51 | 0.68 | 0.66 | 0.75 | 0.64 | 0.58 | 0.65 | 0.39 |
| S&P 500 High Dividend | -0.52 | -0.65 | -0.49 | 0.04 | 0.41 | 0.32 | 0.52 | 0.93 | 1.00 | 0.54 | 0.66 | 0.78 | 0.83 | 0.78 | 0.71 | 0.77 | 0.54 |
| S&P 500 Revenue-Weighted | -0.50 | -0.78 | -0.22 | -0.25 | -0.07 | 0.10 | 0.55 | 0.51 | 0.54 | 1.00 | 0.77 | 0.60 | 0.64 | 0.71 | 0.64 | 0.74 | 0.48 |
| S&P 500 Value | -0.56 | -1.00 | -0.26 | -0.34 | 0.23 | 0.18 | 0.64 | 0.68 | 0.66 | 0.77 | 1.00 | 0.73 | 0.71 | 0.72 | 0.70 | 0.78 | 0.48 |
| S&P 500 High Momentum Value | -0.37 | -0.72 | -0.53 | 0.19 | 0.18 | 0.01 | 0.43 | 0.66 | 0.78 | 0.60 | 0.73 | 1.00 | 0.88 | 0.91 | 0.92 | 0.95 | 0.75 |
| S&P 500 Equal Weight | -0.47 | -0.69 | -0.42 | 0.25 | 0.17 | 0.12 | 0.56 | 0.75 | 0.83 | 0.64 | 0.71 | 0.88 | 1.00 | 0.90 | 0.91 | 0.88 | 0.81 |
| S&P 500 Pure Value | -0.47 | -0.71 | -0.50 | 0.15 | -0.02 | -0.07 | 0.41 | 0.64 | 0.78 | 0.71 | 0.72 | 0.91 | 0.90 | 1.00 | 0.92 | 0.96 | 0.84 |
| S&P 500 Buyback | -0.46 | -0.68 | -0.41 | 0.23 | 0.00 | -0.09 | 0.43 | 0.58 | 0.71 | 0.64 | 0.70 | 0.92 | 0.91 | 0.92 | 1.00 | 0.93 | 0.84 |
| S&P 500 Enhanced Value | -0.49 | -0.77 | -0.52 | 0.09 | 0.03 | -0.06 | 0.43 | 0.65 | 0.77 | 0.74 | 0.78 | 0.95 | 0.88 | 0.96 | 0.93 | 1.00 | 0.79 |
| S&P 500 High Beta | -0.34 | -0.45 | -0.39 | 0.34 | -0.30 | -0.31 | 0.21 | 0.39 | 0.54 | 0.48 | 0.48 | 0.75 | 0.81 | 0.84 | 0.84 | 0.79 | 1.00 |
| Correlation of weekly excess total retu | rns (versu | s S&P 500 |)), last thr | ee years | | | | | | | | | | | | | |

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Index Dashboard: S&P 500® Factor Indices June 2020



| FACTOR EXPOSURE SUMMAR | Y (See follow | ving page for factor | scoring method | ology) | | | | |
|--------------------------------------|---------------|----------------------|----------------|--------|-----------|----------|---------|------------|
| INDEX | AVERAGE | LOW VOLATILITY | MOMENTUM | VALUE | HIGH BETA | DIVIDEND | QUALITY | SMALL SIZE |
| S&P 500 High Momentum Value | 18.7% | -51.2% | -35.2% | 80.9% | 53.2% | 36.4% | -11.5% | 58.4% |
| S&P 500 High Dividend | 15.5% | -58.2% | -55.8% | 64.5% | 45.5% | 86.8% | -28.4% | 54.3% |
| S&P 500 Buyback | 15.5% | -70.3% | -43.0% | 68.3% | 66.3% | 47.8% | -8.7% | 48.1% |
| S&P 500 Enhanced Value | 15.3% | -70.7% | -62.9% | 91.5% | 67.5% | 64.6% | -26.7% | 43.8% |
| S&P 500 Pure Value | 14.7% | -78.1% | -65.0% | 88.3% | 69.9% | 53.7% | -26.7% | 60.6% |
| S&P 500 High Beta | 14.6% | -94.3% | -68.0% | 73.6% | 92.3% | 60.1% | -32.1% | 70.6% |
| S&P 500 Low Volatility High Dividend | 12.6% | -43.1% | -66.0% | 59.1% | 39.0% | 86.9% | -39.5% | 52.0% |
| S&P 500 Value | 10.9% | -13.9% | -35.2% | 50.9% | 15.8% | 44.4% | -8.7% | 23.1% |
| S&P 500 Dividend Aristocrats | 10.1% | -17.8% | -30.1% | 33.0% | 10.6% | 30.4% | -0.9% | 45.6% |
| S&P 500 Revenue-Weighted | 9.5% | -28.8% | -22.1% | 60.7% | 20.2% | 30.0% | -9.6% | 16.3% |
| S&P 500 Equal Weight | 9.3% | -51.3% | -30.9% | 38.2% | 42.2% | 25.8% | -10.0% | 50.8% |
| S&P 500 Low Volatility | 9.0% | 62.9% | -7.3% | -0.2% | -32.2% | 9.2% | -1.6% | 31.9% |
| S&P 500 Quality | 5.6% | 3.4% | 9.4% | -8.9% | -9.4% | -1.0% | 39.9% | 5.8% |
| S&P 500 Minimum Volatility | 4.1% | 6.1% | -7.3% | 9.6% | -3.0% | 15.9% | -8.7% | 16.3% |
| S&P 500 Momentum | 1.6% | 2.7% | 35.5% | -20.8% | -0.5% | -5.9% | 13.8% | -13.8% |
| S&P 500 | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| S&P 500 Pure Growth | -4.0% | -33.7% | 19.7% | -16.9% | 19.5% | -29.5% | -8.7% | 21.4% |
| S&P 500 Growth | -7.2% | 3.5% | 25.4% | -24.1% | -6.7% | -19.7% | 5.2% | -33.7% |

Source: S&P Dow Jones Indices LLC and/or its affiliates. Data as of June 30, 2020.

6

KEY TO FACTOR SCORINGS FOR INDICES

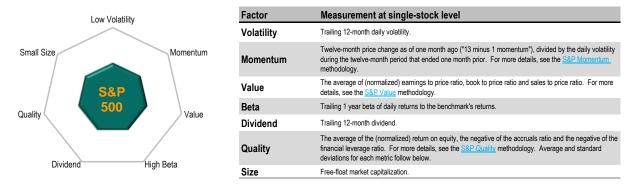
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Index Dashboard: S&P 500® Factor Indices

June 2020

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.



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 | 0.039 | 0.288 | 0.432 | 13.52% | 30.22% | 1.26 | 22.44% | 2.71% |
| S&P 500 index-weighted standard deviation | 0.038 | 0.353 | 0.558 | 26.49% | 27.08% | 1.09 | 32.76% | 0.68% |

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S&P 500 Low Volatility

Description

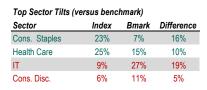
The S&P 500 Low Volatility is designed to measure the performance of the 100 stocks in the S&P 500 with the lowest volatility, measured on a 1-year trailing basis. The weighting of each stock is in inverse proportion to its volatility.

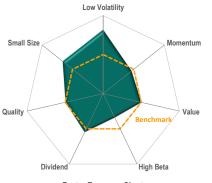
| 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-------|--------|------------|-------------------|--|---|--|--|
| -0.4% | 6.7% | -13.5% | -7.2% | 6.2% | 9.0% | 12.4% | 8.9% |
| -2.4% | -13.8% | -10.5% | -14.7% | -4.5% | -1.8% | -1.6% | 0.1% |
| | | | 18.2% | 13.6% | 12.2% | 10.6% | 11.1% |
| | | | 9.6% | 8.4% | 7.8% | 8.0% | 7.8% |
| | -0.4% | -0.4% 6.7% | -0.4% 6.7% -13.5% | -0.4% 6.7% -13.5% -7.2% -2.4% -13.8% -10.5% -14.7% 18.2% | -0.4% 6.7% -13.5% -7.2% 6.2% -2.4% -13.8% -10.5% -14.7% -4.5% 18.2% 13.6% | -0.4% 6.7% -13.5% -7.2% 6.2% 9.0% -2.4% -13.8% -10.5% -14.7% -4.5% -1.8% 18.2% 13.6% 12.2% | -0.4% 6.7% -13.5% -7.2% 6.2% 9.0% 12.4% -2.4% -13.8% -10.5% -14.7% -4.5% -1.8% -1.6% 18.2% 13.6% 12.2% 10.6% |

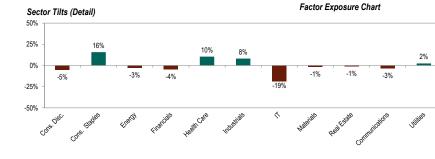
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.94

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 73% | 0% |
| Active Share (Sector) | 37% | 0% |
| Concentration (HH Index) | 100.9 | 135.6 |
| Correlation (stock) | 0.86 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.62 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 36% | 44% |
| 12M - 1M price return | 16% | 22% |
| Book/Price | 0.24 | 0.29 |
| Earnings/Price | 0.04 | 0.04 |
| Sales/Price | 0.47 | 0.43 |
| Stock Beta | 0.77 | 0.99 |
| Yield (12M trailing) | 2.1% | 2.0% |
| R.O.E. | 30% | 30% |
| Market Cap (U.S. \$ bn) | 92.5 | 368.1 |







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 June 30, 2020 the index comprised 103 constituents.

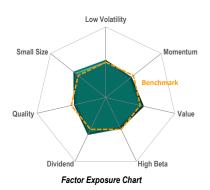
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Total Return (Ann) | 0.4% | 16.5% | -6.1% | 3.7% | 9.4% | 10.5% | 14.1% | 8.9% | |
| Relative to Benchmark | -1.6% | -4.1% | -3.0% | -3.8% | -1.3% | -0.3% | 0.1% | 0.1% | |
| Index Volatility | | | | 19.7% | 15.3% | 13.1% | 11.2% | 12.2% | |
| Tracking Error | | | | 3.4% | 3.4% | 4.9% | 5.0% | 5.2% | |
| Developmenty, SED 500 1 Vertrailing hate to herebroark = 0.04 | | | | | | | | | |

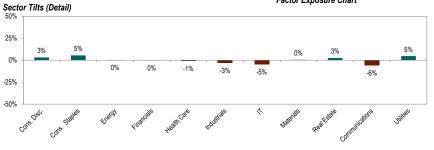
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.94

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 66% | 0% |
| Active Share (Sector) | 16% | 0% |
| Concentration (HH Index) | 160.6 | 135.6 |
| Correlation (stock) | 0.59 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.43 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 42% | 44% |
| 12M - 1M price return | 17% | 22% |
| Book/Price | 0.31 | 0.29 |
| Earnings/Price | 0.04 | 0.04 |
| Sales/Price | 0.47 | 0.43 |
| Stock Beta | 0.95 | 0.99 |
| Yield (12M trailing) | 2.3% | 2.0% |
| R.O.E. | 28% | 30% |
| Market Cap (U.S. \$ bn) | 203.0 | 368.1 |







Source: S&P Dow Jones Indices LLC and/or its affiliates. Data as of June 30, 2020.

Index Dashboard: S&P 500® Factor Indices June 2020

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S&P 500 Low Volatility High Dividend

Description

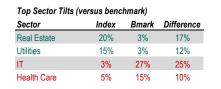
The S&P 500 Low Volatility High Dividend measures the performance of the 50 least-volatile high dividend-vielding stocks in the S&P 500. Each component is weighted proportionally to its dividend yield, subject to single stock and sector constraints.

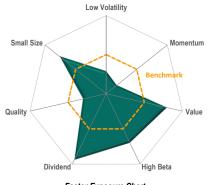
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|---------------|-------------|------------|--------|--------|-------|-------|-------|
| Total Return (Ann) | -0.6% | 11.5% | -23.1% | -17.6% | -2.1% | 5.3% | 10.8% | 9.1% |
| Relative to Benchmark | -2.6% | -9.0% | -20.0% | -25.1% | -12.8% | -5.4% | -3.2% | 0.2% |
| Index Volatility | | | | 26.1% | 18.4% | 15.7% | 13.0% | 14.3% |
| Tracking Error | | | | 9.3% | 8.2% | 8.1% | 8.1% | 7.7% |
| Demokranky COD E00 | 1 Vr trailing | hata ta haw | abmark - 1 | 1.04 | | | | |

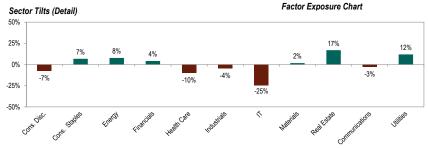
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.04

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 91% | 0% |
| Active Share (Sector) | 49% | 0% |
| Concentration (HH Index) | 212.3 | 135.6 |
| Correlation (stock) | 0.55 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.56 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 50% | 44% |
| 12M - 1M price return | -11% | 22% |
| Book/Price | 0.60 | 0.29 |
| Earnings/Price | 0.06 | 0.04 |
| Sales/Price | 0.71 | 0.43 |
| Stock Beta | 1.23 | 0.99 |
| Yield (12M trailing) | 5.8% | 2.0% |
| R.O.E. | 18% | 30% |
| Market Cap (U.S. \$ bn) | 51.8 | 368.1 |







S&P 500 High Dividend

Description

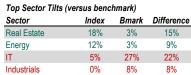
The S&P 500 High Dividend is constructed from the 80 constituents of the S&P 500 with the highest indicated dividend yield. The index is equal weighted.

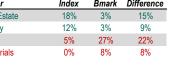
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|---|-------|-------|--------|--------|--------|-------|-------|-------|
| Total Return (Ann) | 0.6% | 14.9% | -27.3% | -22.6% | -2.8% | 3.8% | 10.4% | 6.3% |
| Relative to Benchmark | -1.4% | -5.6% | -24.2% | -30.1% | -13.5% | -7.0% | -3.6% | -2.5% |
| Index Volatility | | | | 32.6% | 22.0% | 18.2% | 14.8% | 18.3% |
| Tracking Error | | | | 14.9% | 10.5% | 9.3% | 8.5% | 9.6% |
| Denshmark COD 500 1 Vetrailing hate to handhmark = 1.16 | | | | | | | | |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.16

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 89% | 0% |
| Active Share (Sector) | 47% | 0% |
| Concentration (HH Index) | 164.2 | 135.6 |
| Correlation (stock) | 0.60 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.37 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 53% | 44% |
| 12M - 1M price return | -7% | 22% |
| Book/Price | 0.69 | 0.29 |
| Earnings/Price | 0.04 | 0.04 |
| Sales/Price | 0.93 | 0.43 |
| Stock Beta | 1.27 | 0.99 |
| Yield (12M trailing) | 5.8% | 2.0% |
| R.O.E. | 15% | 30% |
| Market Cap (U.S. \$ bn) | 48.3 | 368.1 |

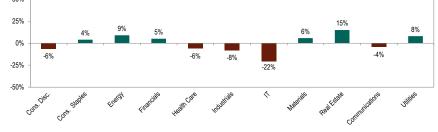












Source: S&P Dow Jones Indices LLC and/or its affiliates. Data as of June 30, 2020

Index Dashboard: S&P 500® Factor Indices June 2020

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S&P 500 Quality

Description

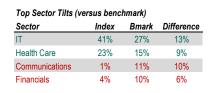
The S&P 500 Quality is designed to track the 100 stocks in the S&P 500 with the highest quality score, which is calculated based on return on equity, accruals ratio and financial leverage ratio. The weighting is proportional to both the quality score, and the market capitalization, of each component,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

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 0.6% | 19.0% | -2.0% | 9.3% | 10.5% | 9.7% | 14.3% | 10.4% |
| Relative to Benchmark | -1.4% | -1.6% | 1.1% | 1.8% | -0.2% | -1.1% | 0.3% | 1.6% |
| Index Volatility | | | | 19.0% | 15.9% | 14.0% | 12.7% | 13.9% |
| Tracking Error | | | | 3.4% | 3.3% | 2.8% | 3.0% | 3.2% |

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

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 68% | 0% |
| Active Share (Sector) | 27% | 0% |
| Concentration (HH Index) | 271.0 | 135.6 |
| Correlation (stock) | 0.60 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.63 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 42% | 44% |
| 12M - 1M price return | 29% | 22% |
| Book/Price | 0.20 | 0.29 |
| Earnings/Price | 0.04 | 0.04 |
| Sales/Price | 0.30 | 0.43 |
| Stock Beta | 0.90 | 0.99 |
| Yield (12M trailing) | 1.9% | 2.0% |
| R.O.E. | 33% | 30% |
| Market Cap (U.S. \$ bn) | 299.4 | 368.1 |

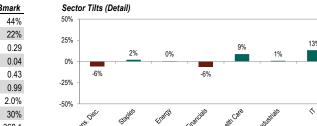




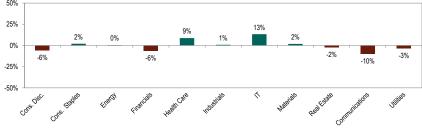
Low Volatility

Index Dashboard: S&P 500® Factor Indices

June 2020







S&P 500 Dividend Aristocrats

Description

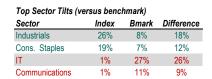
The S&P 500 Dividend Aristocrats measures the performance S&P 500 companies that have increased dividends every year for the last 25 consecutive years. The Index is equally weighted at each rebalance. As of June 30, 2020 the index comprised 66 constituents.

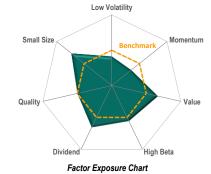
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|---------------|-------------|------------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 1.2% | 17.7% | -9.7% | -0.3% | 8.1% | 9.2% | 13.9% | 10.2% |
| Relative to Benchmark | -0.8% | -2.8% | -6.6% | -7.8% | -2.7% | -1.5% | -0.1% | 1.3% |
| Index Volatility | | | | 20.9% | 16.2% | 14.0% | 12.5% | 13.8% |
| Tracking Error | | | | 4.0% | 4.7% | 4.6% | 4.5% | 5.3% |
| Denshmarky COD E00 | 1 Vr trailing | hala la han | ahmark - C | 07 | | | | |

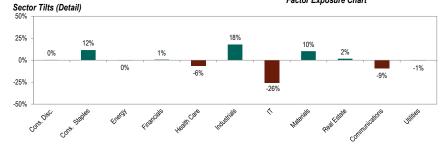
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.97

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 84% | 0% |
| Active Share (Sector) | 42% | 0% |
| Concentration (HH Index) | 153.4 | 135.6 |
| Correlation (stock) | 0.50 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.19 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 46% | 44% |
| 12M - 1M price return | 7% | 22% |
| Book/Price | 0.34 | 0.29 |
| Earnings/Price | 0.04 | 0.04 |
| Sales/Price | 0.67 | 0.43 |
| Stock Beta | 1.06 | 0.99 |
| Yield (12M trailing) | 2.7% | 2.0% |
| R.O.E. | 29% | 30% |
| Market Cap (U.S. \$ bn) | 63.6 | 368.1 |







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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...

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|-------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 2.7% | 21.8% | 5.0% | 10.0% | 15.4% | 13.6% | 15.4% | 9.8% |
| Relative to Benchmark | 0.7% | 1.2% | 8.1% | 2.5% | 4.7% | 2.9% | 1.4% | 0.9% |
| Index Volatility | | | | 18.0% | 16.1% | 14.0% | 13.4% | 14.5% |
| Tracking Error | | | | 6.4% | 6.2% | 5.5% | 5.0% | 6.3% |

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

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 67% | 0% |
| Active Share (Sector) | 32% | 0% |
| Concentration (HH Index) | 362.3 | 135.6 |
| Correlation (stock) | 0.60 | 0.57 |
| Ann. Turnover (last 10 yr) | 1.17 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 43% | 44% |
| 12M - 1M price return | 42% | 22% |
| Book/Price | 0.16 | 0.29 |
| Earnings/Price | 0.03 | 0.04 |
| Sales/Price | 0.24 | 0.43 |
| Stock Beta | 0.99 | 0.99 |
| Yield (12M trailing) | 1.6% | 2.0% |
| R.O.E. | 39% | 30% |
| Market Cap (U.S. \$ bn) | 424.2 | 368.1 |

| Top Sector Tilts (versus benchmark) | | | | | | |
|-------------------------------------|-------|-------|------------|--|--|--|
| Sector | Index | Bmark | Difference | | | |
| IT | 47% | 27% | 19% | | | |
| Cons. Staples | 13% | 7% | 6% | | | |
| Health Care | 3% | 15% | 11% | | | |
| Financials | 5% | 10% | 5% | | | |

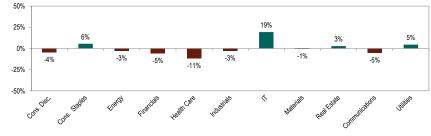


Index Dashboard: S&P 500® Factor Indices

June 2020

Sector Tilts (Detail)





S&P 500 Revenue-Weighted

Description

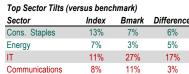
The S&P 500 Revenue-Weighted comprises all the constituents of the S&P 500, weighted in proportion to revenues.

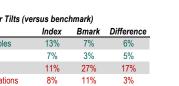
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|---------------|-------------|------------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 0.5% | 17.4% | -11.1% | -1.6% | 5.9% | 7.1% | 12.8% | 8.2% |
| Relative to Benchmark | -1.4% | -3.2% | -8.0% | -9.1% | -4.8% | -3.6% | -1.2% | -0.6% |
| Index Volatility | | | | 22.4% | 18.0% | 15.5% | 14.3% | 15.8% |
| Tracking Error | | | | 3.6% | 3.5% | 3.1% | 2.7% | 3.1% |
| Bonchmark: S&P 500 | 1 Vr trailing | hota to hor | chmark = 1 | 01 | | | | |

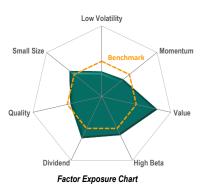
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.01

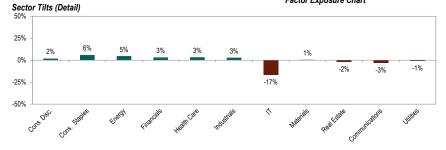
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 42% | 0% |
| Active Share (Sector) | 22% | 0% |
| Concentration (HH Index) | 91.2 | 135.6 |
| Correlation (stock) | 0.50 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.19 | 0.05 |
| | 0.10 | 0.0 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 48% | 44% |
| 12M - 1M price return | 9% | 22% |
| Book/Price | 0.50 | 0.29 |
| Earnings/Price | 0.04 | 0.04 |
| Sales/Price | 1.24 | 0.43 |
| Stock Beta | 1.12 | 0.99 |
| Yield (12M trailing) | 2.7% | 2.0% |
| R.O.E. | 22% | 30% |
| Market Cap (U.S. \$ bn) | 193.8 | 368.1 |









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Index Dashboard: S&P 500® Factor Indices June 2020

S&P 500 High Momentum Value

Description

The S&P 500 High Momentum Value is designed to measure the performance of the 100 stocks with the highest momentum selected from the 200 stocks in the S&P 500 with the highest value score, subject to turnover constraints. The weighting is proportional to the value score of each constituent.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|--------|--------|--------|-------|-------|-------|
| Total Return (Ann) | 1.3% | 18.7% | -21.9% | -15.0% | -2.5% | 2.9% | 11.3% | 8.4% |
| Relative to Benchmark | -0.7% | -1.8% | -18.9% | -22.5% | -13.3% | -7.9% | -2.7% | -0.5% |
| Index Volatility | | | | 30.8% | 22.2% | 18.7% | 16.4% | 19.6% |
| Tracking Error | | | | 12.2% | 8.3% | 7.3% | 6.0% | 8.2% |

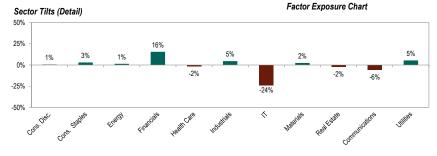
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.19

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 85% | 0% |
| Active Share (Sector) | 33% | 0% |
| Concentration (HH Index) | 110.7 | 135.6 |
| Correlation (stock) | 0.66 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.79 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 52% | 44% |
| 12M - 1M price return | 6% | 22% |
| Book/Price | 0.69 | 0.29 |
| Earnings/Price | 0.08 | 0.04 |
| Sales/Price | 1.33 | 0.43 |
| Stock Beta | 1.29 | 0.99 |
| Yield (12M trailing) | 2.9% | 2.0% |
| R.O.E. | 18% | 30% |
| Market Cap (U.S. \$ bn) | 42.5 | 368.1 |

| Top Sector Tilts (versus benchmark) | | | | | | | |
|-------------------------------------|-------|-------|------------|--|--|--|--|
| Sector | Index | Bmark | Difference | | | | |
| Financials | 26% | 10% | 16% | | | | |
| Utilities | 8% | 3% | 5% | | | | |
| IT | 4% | 27% | 24% | | | | |
| Communications | 5% | 11% | 6% | | | | |





S&P 500 Growth

Description

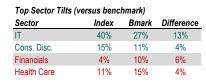
The S&P 500 Growth is comprises S&P 500 stocks with above-average combinations of the ratio of earnings growth to price, sales growth, and momentum. The weighting is by capitalization, although the weight of some stocks is divided between the Value and Growth indices. As of June 30, 2020 the index comprised 279 constituents.

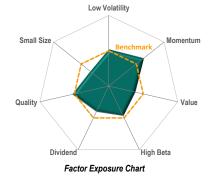
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|---|------|-------|-------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 4.1% | 26.2% | 7.9% | 17.8% | 16.7% | 14.6% | 16.6% | 10.9% |
| Relative to Benchmark | 2.1% | 5.7% | 11.0% | 10.2% | 6.0% | 3.9% | 2.6% | 2.0% |
| Index Volatility | | | | 20.2% | 16.5% | 14.8% | 13.3% | 14.3% |
| Tracking Error | | | | 4.0% | 3.4% | 3.4% | 2.9% | 3.1% |
| Popphysics SEP 500 1 Vr trailing boto to bonchmark = 0.08 | | | | | | | | |

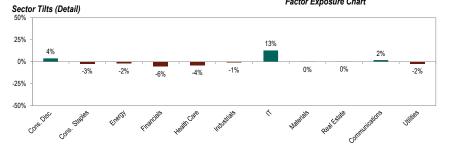
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 0.98

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 29% | 0% |
| Active Share (Sector) | 18% | 0% |
| Concentration (HH Index) | 322.6 | 135.6 |
| Correlation (stock) | 0.60 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.25 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 42% | 44% |
| 12M - 1M price return | 35% | 22% |
| Book/Price | 0.14 | 0.29 |
| Earnings/Price | 0.03 | 0.04 |
| Sales/Price | 0.23 | 0.43 |
| Stock Beta | 0.92 | 0.99 |
| Yield (12M trailing) | 1.2% | 2.0% |
| R.O.E. | 36% | 30% |
| Market Cap (U.S. \$ bn) | 537.2 | 368.1 |







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S&P 500 Value

Description

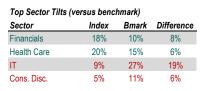
The S&P 500 Value comprises S&P 500 stocks with above-average combinations of book value-to-price, earnings-to-price, and sales-to-price. The weighting is by capitalization, although the weight of some stocks is divided between the Value and Growth indices. As of June 30, 2020 the index comprised 390 constituents.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|-------|-------|--------|--------|-------|-------|-------|-------|
| Total Return (Ann) | -1.0% | 13.1% | -15.5% | -4.5% | 3.7% | 6.0% | 10.9% | 6.4% |
| Relative to Benchmark | -2.9% | -7.4% | -12.4% | -12.0% | -7.0% | -4.7% | -3.1% | -2.4% |
| Index Volatility | | | | 22.6% | 17.8% | 15.4% | 14.1% | 15.8% |
| Tracking Error | | | | 4.8% | 4.0% | 3.9% | 3.3% | 3.5% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.02

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 43% | 0% |
| Active Share (Sector) | 27% | 0% |
| Concentration (HH Index) | 85.1 | 135.6 |
| Correlation (stock) | 0.58 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.27 | 0.05 |

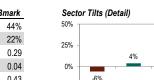
| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 46% | 44% |
| 12M - 1M price return | 4% | 22% |
| Book/Price | 0.51 | 0.29 |
| Earnings/Price | 0.05 | 0.04 |
| Sales/Price | 0.72 | 0.43 |
| Stock Beta | 1.09 | 0.99 |
| Yield (12M trailing) | 3.1% | 2.0% |
| R.O.E. | 21% | 30% |
| Market Cap (U.S. \$ bn) | 120.8 | 368.1 |



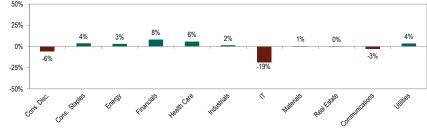


Index Dashboard: S&P 500® Factor Indices

June 2020







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 June 30, 2020 the index comprised 109 constituents.

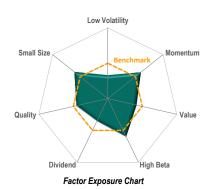
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|-------|------|-------|-------|-------|-------|-------|
| Total Return (Ann) | 2.7% | 29.6% | 2.7% | 9.9% | 12.4% | 10.9% | 16.2% | 10.9% |
| Relative to Benchmark | 0.7% | 9.1% | 5.8% | 2.4% | 1.7% | 0.2% | 2.2% | 2.0% |
| Index Volatility | | | | 25.5% | 19.6% | 16.9% | 15.7% | 17.0% |
| Tracking Error | | | | 6.7% | 5.6% | 5.1% | 5.4% | 5.4% |

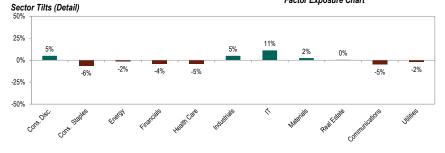
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.06

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 74% | 0% |
| Active Share (Sector) | 24% | 0% |
| Concentration (HH Index) | 109.1 | 135.6 |
| Correlation (stock) | 0.55 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.64 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 49% | 44% |
| 12M - 1M price return | 37% | 22% |
| Book/Price | 0.16 | 0.29 |
| Earnings/Price | 0.03 | 0.04 |
| Sales/Price | 0.30 | 0.43 |
| Stock Beta | 1.12 | 0.99 |
| Yield (12M trailing) | 1.0% | 2.0% |
| R.O.E. | 33% | 30% |
| Market Cap (U.S. \$ bn) | 123.1 | 368.1 |

| Top Sector Tilts (versus benchmark) | | | | | | | |
|-------------------------------------|-------|-------|------------|--|--|--|--|
| Sector | Index | Bmark | Difference | | | | |
| IT | 39% | 27% | 11% | | | | |
| Cons. Disc. | 16% | 11% | 5% | | | | |
| Cons. Staples | 1% | 7% | 6% | | | | |
| Communications | 6% | 11% | 5% | | | | |





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S&P 500 Pure Value

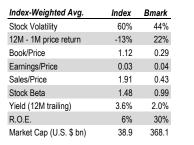
Description

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 June 30, 2020 the index comprised 103 constituents.

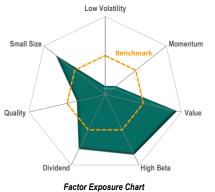
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|-------|--------|--------|--------|--------|-------|-------|
| Total Return (Ann) | 2.1% | 20.5% | -29.8% | -24.2% | -4.5% | 0.3% | 9.9% | 6.4% |
| Relative to Benchmark | 0.1% | 0.0% | -26.8% | -31.7% | -15.2% | -10.4% | -4.1% | -2.4% |
| Index Volatility | | | | 36.1% | 25.7% | 21.8% | 19.3% | 23.0% |
| Tracking Error | | | | 17.3% | 11.8% | 10.2% | 8.7% | 11.8% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.25

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 89% | 0% |
| Active Share (Sector) | 44% | 0% |
| Concentration (HH Index) | 126.4 | 135.6 |
| Correlation (stock) | 0.56 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.48 | 0.05 |

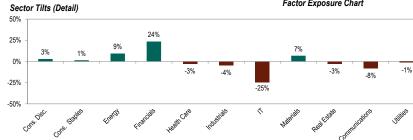


| Top Sector Tilts (versus benchmark) | | | | | | | |
|-------------------------------------|-------|-------|------------|--|--|--|--|
| Sector | Index | Bmark | Difference | | | | |
| Financials | 34% | 10% | 24% | | | | |
| Energy | 12% | 3% | 9% | | | | |
| IT | 2% | 27% | 25% | | | | |
| Communications | 3% | 11% | 8% | | | | |



Index Dashboard: S&P 500® Factor Indices

June 2020



S&P 500 Buyback

Description

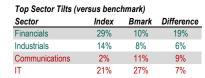
The S&P 500 Buyback is designed to measure the performance of the top 100 stocks in the S&P 500 by buyback ratio. The components are equally weighted.

| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|--|-------|--------|--------|-------|-------|-------|-------|
| Total Return (Ann) | 2.2% | 20.7% | -16.8% | -7.7% | 4.9% | 6.2% | 13.6% | 9.7% |
| Relative to Benchmark | 0.2% | 0.2% | -13.7% | -15.2% | -5.9% | -4.5% | -0.4% | 0.9% |
| Index Volatility | | | | 29.1% | 21.9% | 19.0% | 16.3% | 17.7% |
| Tracking Error | | | | 10.2% | 7.2% | 6.5% | 5.4% | 5.8% |
| Benchmark: S&P 500. | &P 500. 1 Yr trailing beta to benchmark = 1.19 | | | | | | | |

to benchmark ıy

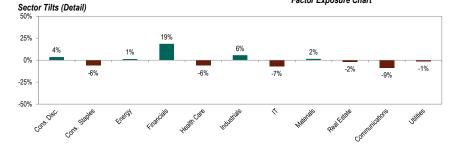
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 85% | 0% |
| Active Share (Sector) | 31% | 0% |
| Concentration (HH Index) | 103.6 | 135.6 |
| Correlation (stock) | 0.55 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.90 | 0.05 |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 57% | 44% |
| 12M - 1M price return | 0% | 22% |
| Book/Price | 0.61 | 0.29 |
| Earnings/Price | 0.07 | 0.04 |
| Sales/Price | 0.96 | 0.43 |
| Stock Beta | 1.44 | 0.99 |
| Yield (12M trailing) | 3.3% | 2.0% |
| R.O.E. | 30% | 30% |
| Market Cap (U.S. \$ bn) | 58.4 | 368.1 |









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S&P 500 High Beta

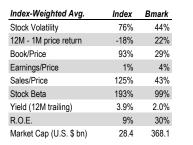
Description

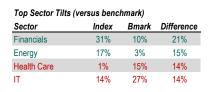
The S&P 500 High Beta is designed to measure the performance of the top 100 stocks in the S&P 500 by sensitivity to market returns. The weighting is in proportional to the beta coefficient of each constituent.

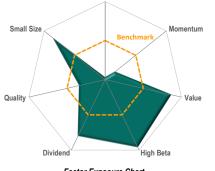
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|-----------------------|------|-------|--------|--------|-------|-------|-------|-------|
| Total Return (Ann) | 5.9% | 37.6% | -12.2% | -3.4% | 4.9% | 5.7% | 10.3% | 4.6% |
| Relative to Benchmark | 3.9% | 17.1% | -9.1% | -10.9% | -5.8% | -5.0% | -3.7% | -4.2% |
| Index Volatility | | | | 36.9% | 27.6% | 24.9% | 23.2% | 26.4% |
| Tracking Error | | | | 17.4% | 12.5% | 12.8% | 12.0% | 14.0% |

Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.37

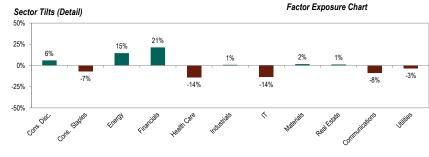
| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 89% | 0% |
| Active Share (Sector) | 46% | 0% |
| Concentration (HH Index) | 107.3 | 135.6 |
| Correlation (stock) | 0.43 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.87 | 0.05 |







Low Volatility



S&P 500 Enhanced Value

Description

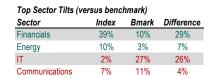
The S&P 500 Enhanced Value is designed to measure the performance of the 100 stocks in the S&P 500 with the highest average book value-to-price, earnings-to-price, and sales-to-price. The weighting is proportional to both the value score and the market capitalization of each component.

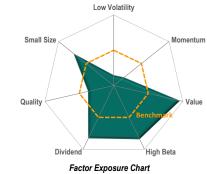
| Index Statistics | 1M | 3M | YTD | 12M | 3Y | 5Y | 10Y | 15Y |
|---|-------|-------|--------|--------|--------|-------|-------|-------|
| Total Return (Ann) | 0.6% | 18.5% | -26.6% | -17.4% | -1.3% | 3.2% | 10.6% | 5.8% |
| Relative to Benchmark | -1.4% | -2.0% | -23.5% | -24.9% | -12.1% | -7.5% | -3.4% | -3.0% |
| Index Volatility | | | | 33.4% | 23.9% | 20.7% | 18.4% | 20.9% |
| Tracking Error | | | | 14.8% | 10.3% | 9.4% | 7.9% | 9.1% |
| Panahmark: SPD 500 1 Vr trailing bata to banahmark = 1.25 | | | | | | | | |

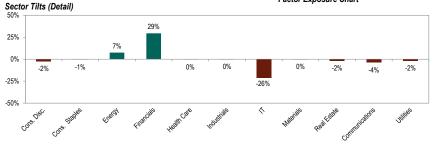
Benchmark: S&P 500. 1 Yr trailing beta to benchmark = 1.25

| Portfolio Statistics | Index | Bmark |
|----------------------------|-------|-------|
| Active Share (Stock) | 90% | 0% |
| Active Share (Sector) | 37% | 0% |
| Concentration (HH Index) | 234.2 | 135.6 |
| Correlation (stock) | 0.60 | 0.57 |
| Ann. Turnover (last 10 yr) | 0.44 | 0.05 |
| | | |

| Index-Weighted Avg. | Index | Bmark |
|-------------------------|-------|-------|
| Stock Volatility | 57% | 44% |
| 12M - 1M price return | -9% | 22% |
| Book/Price | 1.03 | 0.29 |
| Earnings/Price | 0.08 | 0.04 |
| Sales/Price | 1.67 | 0.43 |
| Stock Beta | 1.45 | 0.99 |
| Yield (12M trailing) | 4.1% | 2.0% |
| R.O.E. | 11% | 30% |
| Market Cap (U.S. \$ bn) | 67.3 | 368.1 |







Source: S&P Dow Jones Indices LLC and/or its affiliates. Data as of June 30, 2020.

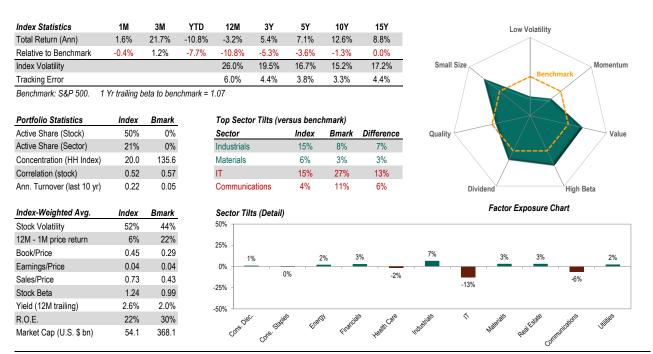
Index Dashboard: S&P 500® Factor Indices June 2020

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S&P 500 Equal Weight

Description

The S&P 500 Equal Weight comprises all 500 stocks in the S&P 500, equally weighted.



More Factor Resources



indexology*

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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 Low Volatility Index was launched May 2, 2005. The S&P 500 Low Volatility High Dividend Index was launched May 2, 2005. The S&P 500 Low Volatility Index was launched September 17, 2012. The S&P 500 Low Volatility Index was launched May 2, 2005. The S&P 500 Low Volatility Index was launched May 2, 2005. The S&P 500 Low Volatility Index was launched Note was launched September 17, 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. The back-test calculations are based on the same methodology that was in effect on the index Launch Date. Complete index methodology details are available at www.spdji.com.

Charts and graphs are provided for illustrative purposes. Past performance is not an indication or guarantee of future results. The charts and graphs may reflect hypothetical historical performance. All information presented prior to the launch date is back-tested. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index/eqs(s) was officially launched. However, it should be noted that the historic calculations of an Economic Index may change from month to month based on revisions to the underlying economic data used in the calculation of the index. Complete index methodology details are available at www.spdji.com. It is not possible to invest directly in any index.

S&P Dow Jones Indices defines various dates to assist our clients in providing transparency on their products. The First Value Date is the first day for which there is a calculated value (either live or backtested) for a given index. The Base Date is the date at which a given index is set at a fixed value for calculation purposes. The Launch Date designates the date upon which the values of a given 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 S&P Dow Jones Indices's public website or its datafeed 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.

Prospective application of the methodology used to construct the index(es) as well as revisions to economic data may not result in performance commensurate with the back-test returns shown. The back-test period does not necessarily correspond to the entire available history of the index(es). Please refer to the index met hodology for the particular index in question, available at www.spdji.com, for more details about such 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.

Another limitation of using back-tested information is that the back-tested calculation is generally prepared with the benefit of hindsight. Back-tested data and/or information reflects the application of the index methodology and selection of index constituents in hindsight. No hypothetical record can completely account for the impact of financial risk in actual trading. For example, there are numerous factors related to the equilies, fixed income, or commodities markets in general which cannot be, and have not been accounted for in the preparation of the index information set forth, all of which can affect actual performance.

The index returns shown do not represent the results of actual trading of investable assets/securities. S&P Dow Jones Indices LLC maintains the index(es) 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(es) in rowstiment funds that are intended to track the performance of the index(es). The imposition of these fees and charges would cause actual and back-tested performance of the index(es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The imposition of these fees and charges would cause actual and back-tested performance of the index (es). The interest (or US \$10,000) 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 accured interest (or US \$16,500), the net return would be a.3% (or US \$3,500) 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).