

## Application Definitions

### Returns

YTD total return for year to date

1 Month total return for the trailing 1 month.

3 Months total return for the trailing 3 months.

1 Year total return for the trailing 12 months.

2 Years annualized return for the trailing 24 months.

3 Years annualized return for the trailing 36 months.

5 Years annualized return for the trailing 60 months.

Since Inception annualized return for the trailing months since inception.

\*All periods of greater than 1 year are annualized geometric means of cumulative returns with respect to one year.

### Standard Deviation

A measure of the variability of an investment's or portfolio's returns. All standard deviations shown have been annualized.

### Alpha

A coefficient which measures risk-adjusted performance, factoring in the risk due to the specific investment or portfolio, rather than the overall market. A high value for alpha implies that the investment or portfolio has performed better than would have been expected given its beta.

### Beta

A quantitative measure of the volatility of a given investment or portfolio, relative to its benchmark. Specifically, the performance the investment or portfolio has experienced historically as the benchmark moved 1% up or down. A beta above 1 is more volatile than the overall market, while a beta below 1 is less volatile.

### R2

A measurement of how closely an investment or a portfolio's performance correlates with the performance of a benchmark and thus a measurement of what portion of its performance can be explained by the performance of the overall market or index.

### Sharpe Ratio

A risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk.

### Excess Return

The model's achieved rate of return minus the return for the benchmark over the same period.

**Maximum Drawdown**

The largest total percentage loss experienced by a strategy before it starts winning again during a period of time under study.

**Up Market Capture**

The up capture is the quotient of the annualized return of the portfolio or investments nonnegative, nonzero returns, divided by the annualized return of the benchmark non-negative, non-zero returns.

**Down Market Capture**

The down capture is the quotient of the annualized return of the portfolio or investments non-positive, non-zero returns, divided by the annualized return of the benchmark nonpositive, non-zero returns.

**Best Month**

The highest 1 month period total return since inception.

**Worst Month**

The lowest 1 month period total return since inception.

**Best Quarter**

The highest 3 rolling month period total return since inception.

**Worst Quarter**

The lowest 3 rolling month period total return since inception.

**% Up Month**

The ratio of the number of months with a total return greater than 0 to the total number of months in the observation.

**% Down Month**

The ratio of the number of months with a total return less than 0 to the total number of months in the observation.