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Information about the index can be found at [www.donoghue.com](http://www.donoghue.com)

**TICKERS:**

W.E. Donoghue Power Momentum Total Return Index<sup>SM</sup>: PWRMOXTR

W.E. Donoghue Power Momentum Index<sup>SM</sup>: PWRMOX

December 2018



**W.E. Donoghue Power Momentum Total Return Index<sup>SM</sup>**

**Index Performance.** The W.E. Donoghue Power Momentum Total Return Index<sup>SM</sup> (TICKER: PWRMOXTR) decreased -1.82% from 6458.87 to 6341.55 in the month of December 2018. This compares to a decrease in the S&P 500 Total Return Index (TICKER: SPXT) of -9.03%.

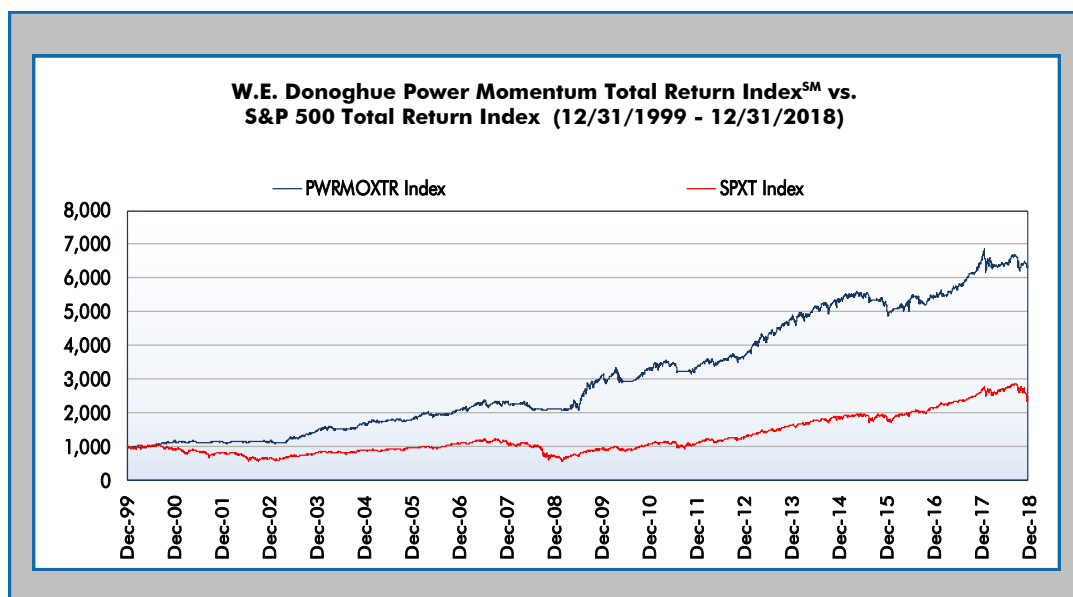
The W.E. Donoghue Power Momentum Total Return Index<sup>SM</sup> decreased -1.27% in the past 12 months. This compares to a -4.38% decrease in the S&P 500 Total Return Index.

**Index Description.** The W.E. Donoghue Power Momentum Total Return Index<sup>SM</sup> (PWRMOXTR) uses the total return variation of the S-Network Sharpe Ratio Index (SHRPXTR) to signal investment into and out of the SHRPXTR Index.

**Index Methodology.** PWRMOXTR uses a proprietary methodology to trigger allocations between an equally weighted portfolio of stocks that are assembled according to the Sharpe Ratio Index (SHRPX) methodology and 1-3 year US Treasury-Bills. The SHRPX methodology employs a systematic approach to identify the five stocks in each of the ten S&P 500 sectors with the highest Sharpe Ratios. This methodology is designed to convey the benefits of high Sharpe Ratio, sector diversification and equal weighting. The tactical overlay for allocating between either stocks or bonds is based on intermediate term linear weighted moving average crossovers.

**Rebalancing.** The underlying equity portfolio (SHRPX) rebalances quarterly, at the close of trading on the third Friday of the last month of each calendar quarter.

**Index Data.** Index values are disseminated in US dollars via the New York Stock Exchange on both a price only and total return basis. Values for the price only index (PWRMOX) are distributed once daily, at approximately 4:30PM (EST), Monday through Friday, excluding exchange holidays. Values for the total return index (PWRMOXTR) are distributed once daily, at approximately 4:30PM (EST), Monday through Friday, excluding exchange holidays.



\*Note: This chart is a normalized historical graph  
Data Source: Bloomberg Data as of December 31, 2018

This chart is for illustrative purposes only. Historical information is not indicative of future results; current data may differ from data quoted. Investors cannot invest directly in index. Index returns do not reflect any management fees or brokerage expenses.

## Total Return Appreciation

	PWRMOXTR Index	SPXT Index
Since Inception	534.15%	146.57%
10 Year	200.14%	243.03%
5 Year	31.95%	50.33%
3 Year	21.15%	30.42%
1 Year	-1.27%	-4.38%

## Sharpe Ratio

	PWRMOXTR Index	SPXT Index
Since Inception	0.9441	0.2868
10 Year	1.1852	0.9499
5 Year	0.6876	0.7402
3 Year	0.6999	0.7660
1 Year	-0.2714	-0.3490

## Compound Annual Growth Rate

	PWRMOXTR Index	SPXT Index
Since Inception	10.21%	4.86%
10 Year	11.62%	13.12%
5 Year	5.70%	8.49%
3 Year	6.60%	9.26%
1 Year	-1.27%	-4.38%

## Annualized Standard Deviation (Monthly)

	PWRMOXTR Index	SPXT Index
Since Inception	9.01%	14.54%
10 Year	9.35%	13.60%
5 Year	7.51%	10.94%
3 Year	8.06%	10.95%
1 Year	10.23%	15.33%

\*All data as of December 31, 2018

## Returns

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	+/- SPXT
2000	-5.06%	4.18%	-2.10%	0.62%	0.28%	0.54%	2.36%	5.14%	4.15%	1.45%	-1.19%	5.42%	16.36%	25.46%
2001	-4.42%	1.35%	-1.91%	2.49%	0.46%	-3.41%	1.48%	-1.24%	1.21%	0.81%	1.05%	-0.88%	-3.22%	8.67%
2002	-1.90%	-0.50%	3.41%	0.14%	0.12%	-1.51%	0.02%	0.34%	0.86%	0.22%	1.29%	-3.02%	-0.69%	21.41%
2003	-1.89%	-0.60%	0.07%	1.02%	10.86%	0.49%	1.98%	3.46%	-0.48%	6.37%	2.17%	3.69%	29.96%	1.28%
2004	3.25%	2.63%	0.62%	-1.26%	-1.99%	1.58%	-1.17%	0.30%	2.07%	0.57%	6.26%	2.92%	16.63%	5.75%
2005	-1.77%	4.69%	-0.36%	-0.88%	0.69%	1.24%	2.53%	-0.78%	1.59%	-3.36%	0.69%	0.12%	4.26%	-0.65%
2006	6.33%	-0.62%	4.71%	1.18%	-2.03%	-0.22%	0.81%	-0.06%	-0.28%	0.81%	3.63%	2.03%	17.20%	1.41%
2007	1.84%	-1.03%	2.38%	3.09%	3.71%	-1.22%	-1.52%	1.12%	2.57%	0.20%	-1.54%	1.77%	11.75%	6.26%
2008	-3.49%	0.81%	0.20%	-0.31%	0.59%	-4.16%	-3.51%	0.00%	-0.03%	-0.78%	1.14%	0.62%	-8.74%	28.26%
2009	-0.37%	-1.10%	0.47%	1.05%	7.27%	-1.61%	8.63%	9.23%	6.08%	-2.49%	6.37%	4.63%	44.22%	17.76%
2010	-5.23%	3.72%	4.28%	2.30%	-6.28%	-1.99%	-0.22%	-0.13%	2.33%	3.45%	1.86%	4.36%	7.99%	-7.07%
2011	0.42%	3.58%	1.26%	1.98%	-0.06%	-2.67%	-1.51%	-4.61%	-0.43%	0.39%	1.43%	1.01%	0.51%	-1.60%
2012	1.98%	3.29%	2.11%	0.48%	-3.28%	2.00%	1.32%	-0.18%	2.84%	-1.09%	0.32%	-0.07%	9.94%	-6.06%
2013	4.09%	2.05%	6.29%	0.51%	2.42%	-0.95%	4.45%	-0.95%	3.27%	2.56%	2.06%	2.66%	32.16%	-0.23%
2014	-1.95%	3.83%	-0.21%	0.15%	1.64%	2.98%	-1.42%	3.93%	-0.72%	0.01%	2.43%	-0.29%	10.65%	-3.04%
2015	0.04%	3.24%	-0.61%	-0.71%	2.68%	-2.04%	1.17%	-2.50%	-0.62%	0.03%	0.36%	-2.43%	-1.56%	-2.94%
2016	-4.56%	1.03%	1.41%	1.20%	-0.38%	2.60%	3.59%	-1.87%	-1.36%	-1.98%	3.21%	0.46%	3.07%	-8.89%
2017	1.64%	1.02%	-0.93%	1.73%	1.79%	-0.19%	1.65%	2.75%	2.15%	1.18%	3.16%	1.68%	19.05%	-2.78%
2018	4.56%	-4.35%	-1.08%	0.03%	0.25%	-0.28%	0.71%	3.69%	0.31%	-5.50%	2.68%	-1.82%	-1.27%	3.11%

### Disclosures:

The W.E. Donoghue Power Momentum Total Return Index (Ticker: PWRMOXTR) is a Service Mark of W.E. Donoghue & Co., LLC. The W.E. Donoghue Power Momentum Total Return Index (PWRMOXTR) reflects back tested performance from the period beginning 12/31/1999 to 2/25/2016. The W.E. Donoghue Power Momentum Index (PWRMOXTR) live calculation began on 2/26/2016 as calculated by Standard and Poor's. One cannot invest directly in an index. The W.E. Donoghue Power Momentum Total Return Index (PWRMOXTR) uses the total return variation of the S-Network Sharpe Ratio Index (SHRPXTR) to signal investment into and out of the SHRPXTR Index. The Index is a rules based index, which reflects theoretical performance an investor would have obtained had it invested in the manner shown and does not represent returns actually obtained and does not represent returns an investor actually obtained, as investors cannot invest directly in and index. No representation is being made that any client will or is likely to achieve results similar to those presented herein. The Index performance includes the reinvestments of all dividends and distributions. Past performance is no guarantee of future results or returns.

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