

# EVO 1: An Evolutionary Trading System

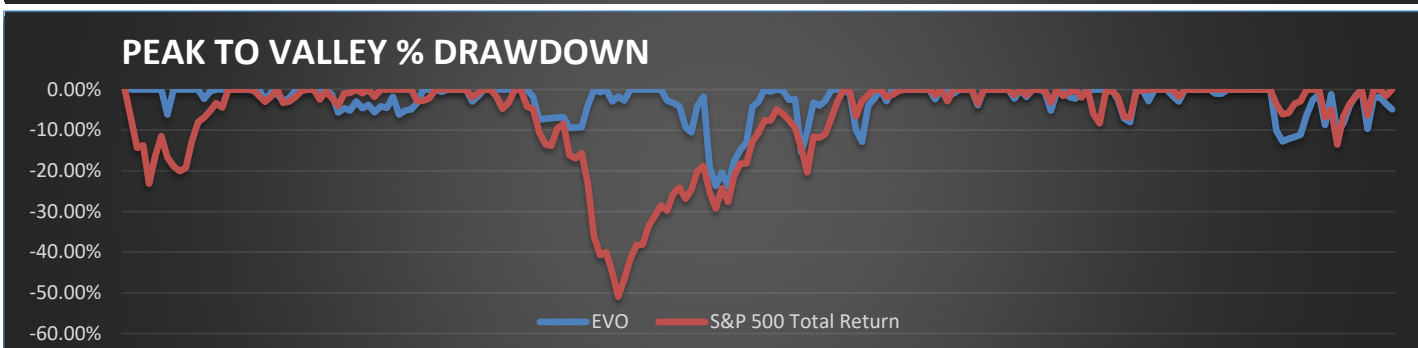
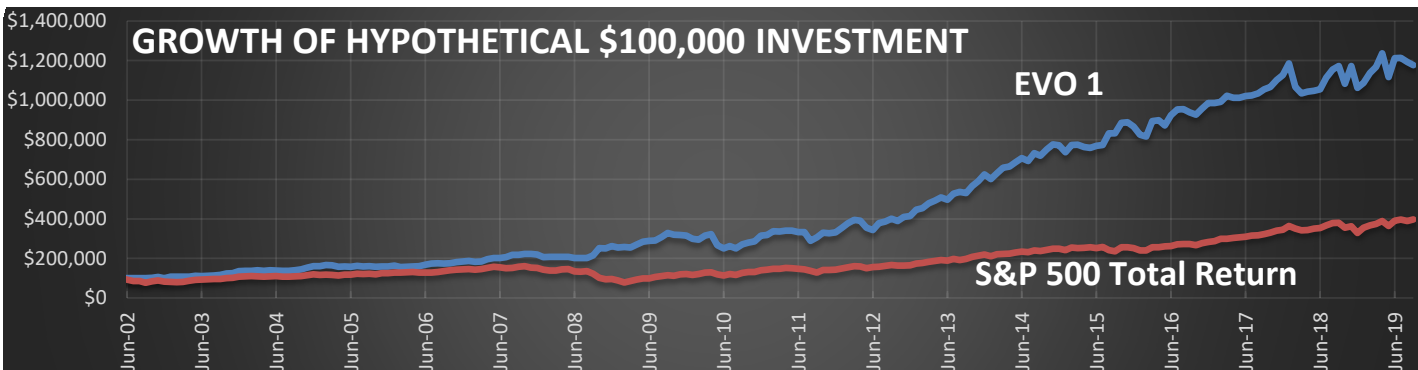


June 1, 2002 through September 30, 2019

**PHILOSOPHY:** To implement a strategy that preserves capital & provides higher absolute & risk adjusted returns than the stock market.

**STRATEGY:** Powered by the investment research of Potomac Advisors, EVO is a proprietary mechanical trading system that generates buy, sell, and hold signals based on algorithmic rules derived from quantitative analysis— no human discretion is involved.

Allocations are made 100% into a leveraged or unleveraged market index mutual fund or a money market fund.



YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	EVO 1	S&P500
2019	2.45%	4.61%	2.66%	5.87%	-9.68%	8.47%	0.18%	-1.74%	-1.37%				10.81%	20.55%
2018	5.30%	-10.12%	-2.98%	0.74%	0.49%	0.68%	5.54%	3.82%	1.48%	-7.70%	8.38%	-9.48%	-5.78%	-4.38%
2017	-0.07%	0.68%	3.04%	-1.00%	-0.03%	0.97%	0.17%	1.00%	2.11%	1.04%	3.36%	2.24%	14.27%	21.83%
2016	-4.73%	-1.05%	9.50%	0.45%	-2.91%	5.97%	3.21%	0.06%	-1.62%	-1.36%	3.42%	2.97%	13.84%	11.96%
2015	-4.60%	4.97%	0.25%	-1.58%	-0.48%	1.20%	0.70%	7.63%	0.00%	6.30%	0.30%	-2.46%	12.18%	1.38%
2014	-3.90%	5.04%	4.33%	1.04%	3.36%	3.00%	-2.25%	5.89%	-1.84%	4.53%	3.38%	-0.61%	23.61%	13.69%
2013	7.73%	1.88%	5.53%	2.68%	3.34%	-2.38%	6.10%	1.65%	-1.00%	6.75%	4.43%	5.66%	50.90%	32.39%
2012	6.65%	6.40%	4.81%	-1.08%	-8.97%	-3.23%	10.19%	1.81%	3.82%	-2.89%	5.27%	1.13%	24.78%	16.00%
2011	1.17%	5.64%	-0.50%	1.73%	-0.21%	-2.34%	0.14%	-13.38%	6.15%	7.79%	-0.71%	1.29%	5.24%	2.11%
2010	-5.37%	-1.46%	7.42%	2.22%	-17.65%	-5.69%	4.30%	-4.30%	8.33%	3.20%	2.23%	10.14%	-0.08%	15.06%
2009	-2.93%	1.24%	-1.06%	5.66%	5.22%	1.91%	0.13%	6.18%	6.88%	-2.76%	-0.59%	-0.79%	20.05%	26.46%
2008	-5.69%	0.21%	0.15%	0.13%	0.12%	-2.85%	0.12%	0.13%	5.92%	17.49%	-0.65%	4.93%	19.88%	-37.00%
2007	2.05%	-2.96%	1.38%	6.37%	2.86%	0.12%	2.13%	5.58%	-0.17%	2.23%	0.25%	-1.78%	19.17%	5.49%
2006	2.86%	-4.45%	1.09%	0.30%	1.66%	4.44%	3.63%	0.29%	-0.59%	1.11%	2.71%	1.81%	15.59%	15.79%
2005	-0.38%	4.05%	-1.31%	-4.40%	1.10%	-0.57%	2.30%	-1.69%	0.86%	-1.88%	1.54%	-0.41%	-1.04%	4.91%
2004	1.51%	-0.25%	2.85%	-2.53%	1.88%	-0.49%	-1.64%	0.68%	1.88%	2.96%	6.20%	4.90%	19.10%	10.88%
2003	8.38%	0.02%	0.02%	0.20%	4.17%	-2.31%	1.88%	0.91%	2.88%	5.69%	2.30%	7.17%	35.49%	28.68%
2002						0.07%	0.08%	0.08%	0.06%	0.78%	5.03%	-6.14%	-0.34%	-16.69%

TRAILING RETURNS	EVO 1	S&P500	STATISTICS	EVO 1	S&P500
Year to Date	10.81%	20.55%	Cumulative Total Return	1076.44%	296.93%
3 Year Annualized Return	7.81%	13.39%	Annualized Standard Deviation	14.47%	14.09%
5 Year Annualized Return	10.35%	10.84%	Sharpe Ratio	0.97	0.50
7 Year Annualized Return	16.64%	13.26%	Maximum Month Drawdown	-23.9%	-50.9%
10 Year Annualized Return	13.59%	13.24%	Beta vs S&P 500 Total Return Index	0.47	1.00

ALL INFORMATION IS GROSS OF FEES. SEE FOLLOWING PAGE FOR IMPORTANT DISCLOSURES.

PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS.

## Potomac Advisors EVO 1 Performance Disclosure

### **Distribution of this Fact Sheet to retail customers must be accompanied by the Fact Sheet showing performance net of maximum advisory fees.**

The Evolutionary Market Timing System (EVO 1) Non-Discretionary Composite is a purely mechanical trading system in which no discretion is involved. The composite is comprised of numerous long and intermediate-term market timing systems (filters) and quantitative short-term trading systems (triggers) that are integrated into one composite decision-making system. The system uses a leveraged S&P 500 index mutual fund as the primary investment for long positions in seeking to magnify the index's exposure 150% on a daily basis to increase the potential return on investment. Conversely, leverage can magnify the losses of an investment during a down market. The fund's use of derivatives, such as futures, options and swap agreements, may expose the fund's shareholders to additional risks that they would not be subject to if they invested directly in the securities underlying those derivatives. The trading system also may employ an unleveraged inverse S&P 500 index mutual fund for short positions. Short positions have been made very infrequently. Given the potential risks involved, strategies employing leverage and shorting may not be suitable for conservative investors.

EVO 1 performance is based on the oldest actual Potomac Advisor's account using the EVO 1 strategy and is considered representative of all Potomac Advisor accounts within the EVO 1 composite strategy since all accounts, with few exceptions, are traded in the same omnibus group account. Occasionally an account may have different results than the composite due to specific investor instructions, fund restrictions, when the account was opened, or when a new contribution was made to the account. The oldest account in the composite has been verified for performance since inception by Theta Research and is continuously monitored daily by Theta Research. Composite returns are precision dated, time-weighted total returns, that reflect the reinvestment of dividends and capital gain distributions. Composite returns are net of the underlying mutual fund management fees, custodial fees and other fund (administrative) expenses.

The performance results shown here reflect the use of the Guggenheim Rydex Investor class funds traded directly through the fund. Results shown here are gross and do not include the maximum management fees charged by Potomac Advisors of 2.00% annually, prorated quarterly and billed in advance. Fees charged by Potomac Advisors or other investment advisors for this strategy may be higher or lower than the fees charged by Potomac Advisors and may be calculated in a different manner, thereby resulting in different performance than shown here. No adjustments have been made for potential income tax consequences. Performance for other investment programs may differ materially (more or less) from the performance shown here. It should not be assumed that future recommendations will be profitable or equal past performance. The investment return and principal value of an investment will fluctuate so that an investor's shares, when sold or redeemed, may be worth more or less than their original cost and current performance may be lower or higher than the performance quoted.

The benchmark returns of the S&P 500 are total returns and reflect the reinvestment of dividends. The S&P 500 Index is a capital weighted index composed of 500 widely held common stocks varying in composition, and is not available for direct investment. Benchmark returns are provided exclusively for comparison purposes only so as to provide general comparative information to assist an individual client or prospective client in determining whether the performance of the EVO 1 strategy meets, or continues to meet, his/her investment objective(s).

It should not be assumed that any of the programs will correspond directly to any such comparative index. The volatility of the market indices may materially differ (more or less) from that of the actual portfolios. Since individuals cannot invest directly into any index, deductions for management fees or other custodial or transaction charges are not taken into account. These charges, if applicable, would reduce the overall return of the S&P 500 index. The strategies shown here involve investing in mutual funds. Mutual fund shares are not insured by the FDIC or any other agency, are not guaranteed by any financial institution, are not obligations of any financial institution, and involve investment risk, including possible loss of principal.

The data presented has been collected from sources believed to be reliable; however, Potomac Advisors does not guarantee nor warrant the accuracy, timeliness, or completeness of the information. Past performance is no guarantee of future results. This material is for informational purposes only and does not constitute an offer to sell or a solicitation of an offer to buy any security. Such offers can only be made where lawful under applicable law.

Potomac Advisors is registered as an investment adviser under Florida, Texas, and Maryland. Such registration does not imply a certain skill or training and no inference to the contrary should be made. Information pertaining to Potomac Advisor's advisory operations, services, and fees is set forth in their current Form ADV Part II, a copy of which is available from Potomac Advisors upon request. Information pertaining to any mutual fund that is used in the EVO 1 strategy is set forth in each respective mutual fund's prospectus, a copy of which is also available from Potomac Advisors upon request.

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### GIPS Disclosure Statement

Potomac Advisors Inc. is an independent registered investment advisor. EVO 1 performance has been verified to be in compliance with the Global Investment Performance Standard (GIPS®) from 5.31.2992 through 6.30.2014 by Alpha Performance Verification Services who retain a CFA Institute CIPM (Certificate in Investment Performance Measurement). Valuations are computed, and performance is reported, in U.S. dollars. Composite returns are net the underlying mutual fund management fees, custodial fees and other fund (administrative) expenses. All accounts in the composite are non-fee paying and such returns are presented gross of Potomac Advisors' fees. The benchmark is the Standard and Poor's 500 Index (S&P 500). To obtain a Compliant Presentation or a list of the Composite Descriptions visit our website at [www.potomacadvisorsinc.com](http://www.potomacadvisorsinc.com).