



The Alpha Sheet

Dual Defense™ Portfolios

July 31, 2023

Professional Portfolio Management – Simplified

Introducing The Alpha Sheet

The Alpha Sheet advanced, high-performance investment management models both simplify and improve advisory services. Dual Defense™ refers to employing two independent methods for determining when to be in defensive funds versus equities. It is published by AlphaDroid, a service of SumGrowth Strategies, every Sunday and on monthly and special rebalance events.

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Notice: Pending Rebalance Trade Lists for July 3, 2023 Posted Below



StormGuard™ Defensive Snapshot

July 31, 2023

Overview

Introducing StormGuard

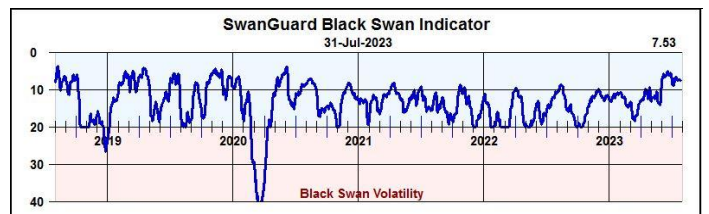
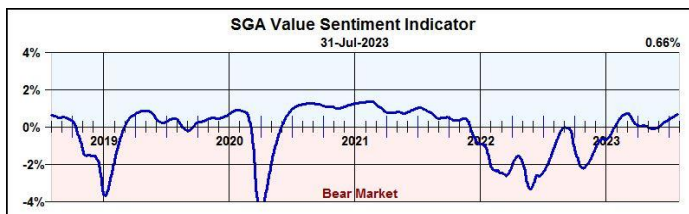
StormGuard incorporates three primary views of the market: Market Trend, Institutional Momentum and Value Sentiment. Twelve separate measures of these three views are logically combined to produce the StormGuard-Armor composite value. Four additional measures of volatility and oversold conditions help hasten exits for Black Swan market crash events and help hasten re-entry following strong rebound events.



[Deeper Dive Info.](#)

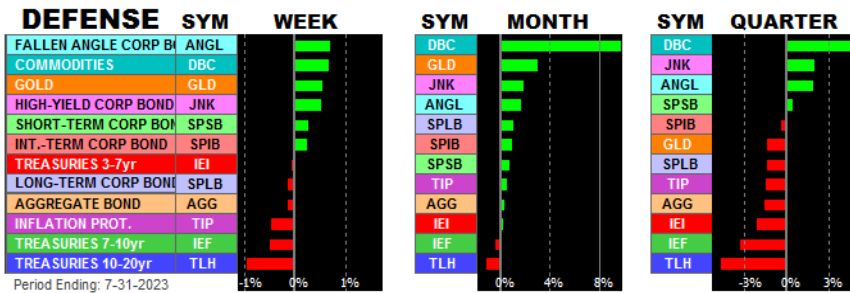
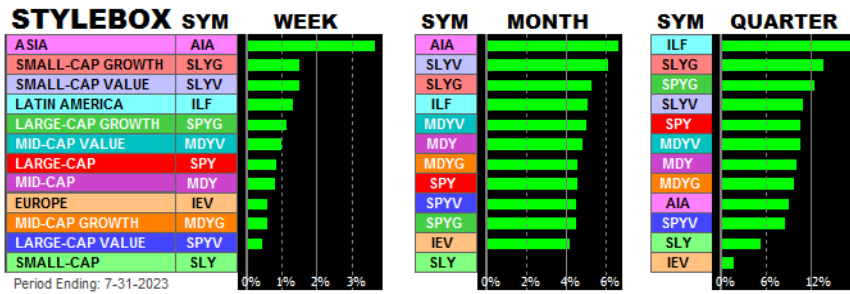
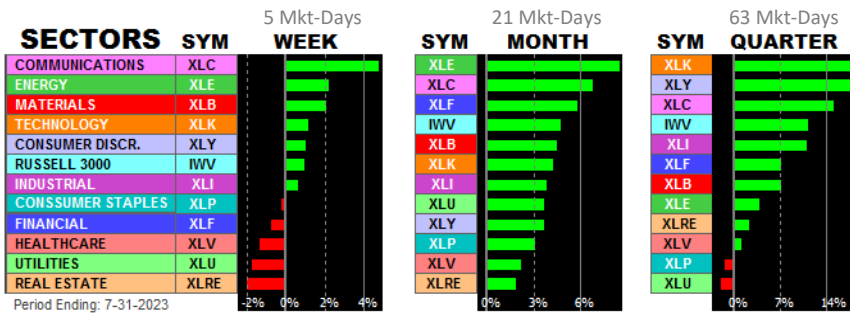


StormGuard considers numerous indicators.



Automated Narrative: " StormGuard indicates market safety is marginal and declining. NOTE: StormGuard-Armor, like a smoke alarm, is not perfectly clairvoyant but helps improve your long-term batting average."

See Legal-Disclaimer page for technical terms, historical data, and service limits information. Performance updated daily.



Which Trend Is My Friend?

Why These Aren't Trade Signals

Thematic Dual Defense™ Portfolios			
Link	CAGR	Risk No	MaxDD
Alpha Bonds	8.6%	25	9.0%
Tactical Risk Mitigation	12.9%	28	11.0%
Alpha Stylebox DD	19.6%	33	25.0%
Alpha Sectors DD	25.2%	31	18.0%
Alpha Global DD	20.3%	34	16.0%
Alpha Green DD	17.2%	44	17.0%
Alpha Innovation DD	24.7%	48	26.0%
Alpha Stocks DD	37.7%	28	20.0%

Blended Dual Defense™ Portfolios			
Link	CAGR	Risk No	MaxDD
Alpha 20:80 DD	10.7%	23	8.0%
Alpha 40:60 DD	13.5%	22	9.0%
Alpha 60:40 Core DD	14.8%	25	10.0%
Alpha 60:40 Sectors DD	17.4%	23	12.0%
Alpha 60:40 Global DD	13.8%	24	10.0%
Alpha 60:40 Green DD	14.1%	24	10.0%
Alpha 60:40 Stocks DD	27.7%	23	14.0%
Alpha 80:20 DD	18.7%	25	12.0%

[How to Blend These Models](#)

[Benchmark Construction Page](#)

Model Rebalanced: Aug-01-2023

Status: BULL Market

	<u>Sym</u>	<u>%</u>	<u>Fund Name</u>
1	JNK	25.0	SPDR Blmbg High Yield Bond ETF
2	FALN	25.0	iShares Fallen Angels USD Bond ETF
3	SHYG	25.0	iShares 0-5 Year High-Yield Bond ETF
4	IEI	25.0	iShares 3-7 Year Treasury Bond ETF

Alpha Bonds Portfolio

- ▶ **Portfolio Inception Date: 12-25-2022** When the portfolio design was completed and available.
- ▶ **Forward Walk Starting: 05-07-2011** Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy: BMS-B,Y** Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index: BND** U.S. Aggregate Bond Index.

Hypothetical Performance

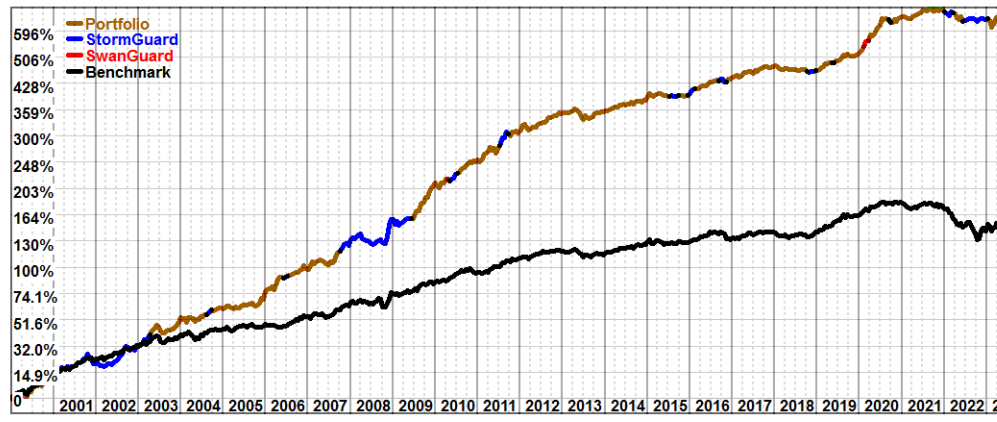
	RISK	CAGR	MaxDD
Portfolio	25.3	8.7%	9%
Benchmark	29.9	3.1%	18%

Statistics measured from 6/1/2004 by AlphaDroid.

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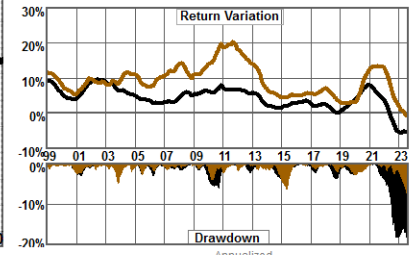
RISK
25
Riskalyze

CAGR
8.7
Percent



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	10.5%	12.6%	7.8%	6.3%	16.4%	13.7%	13.5%	18.8%	15.1%	14.7%	10.7%	1.0%	6.4%	2.5%	9.1%	6.7%	-1.9%	8.6%	22.0%	4.8%	-5.8%
Benchmark	8.3%	4.0%	4.2%	2.4%	4.3%	7.3%	6.9%	3.6%	6.2%	7.9%	3.9%	-2.1%	5.8%	0.6%	2.5%	3.6%	-0.1%	8.8%	7.7%	-1.9%	-13.0%

Underlying Strategies	Weight
1. Bonds SPDR	25.0%
2. Bonds iShares	25.0%
3. Gold'n Yield	25.0%
4. Treasuries	25.0%



	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
Portfolio	0.3%	-0.3%	-0.4%	5.6%	5.3%	8.7%
Benchmark	2.3%	-3.2%	-4.5%	0.8%	1.5%	3.1%

Hypothetical portfolio model performance assumes trade signals provided are executed at the close of the subsequent market day. Past performance does not guarantee future performance. Copyright 2023 SumGrowth Strategies, LLC all rights reserved.

Methodology

Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. Candidate ETFs are defensive ETFs vs equity ETFs.

Portfolio Construction

[More Charts](#)

Selections are made from a universe of over 48 ETFs that include a wide range of bond and Treasury categories, gold, and the S&P 500 index. The Strategy includes an integrated Bear Market Strategy, which limits the selection to a less aggressive fund universe.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Fixed Income	Month-End	Exit market quickly for a for Black Swan event. Get back in early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. Ultra short-term bonds act as a momentum backstop.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name
1	SPY 45.0	SPDR S&P 500 ETF
2	BND 30.0	Vanguard Total Bond Market ETF
3	GLD 25.0	SPDR Gold ETF

Tactical Risk Mitigation Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 01-06-2005 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,A,Y,0 Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	28.4	13.2%	11%
Benchmark	49.4	7.1%	36%

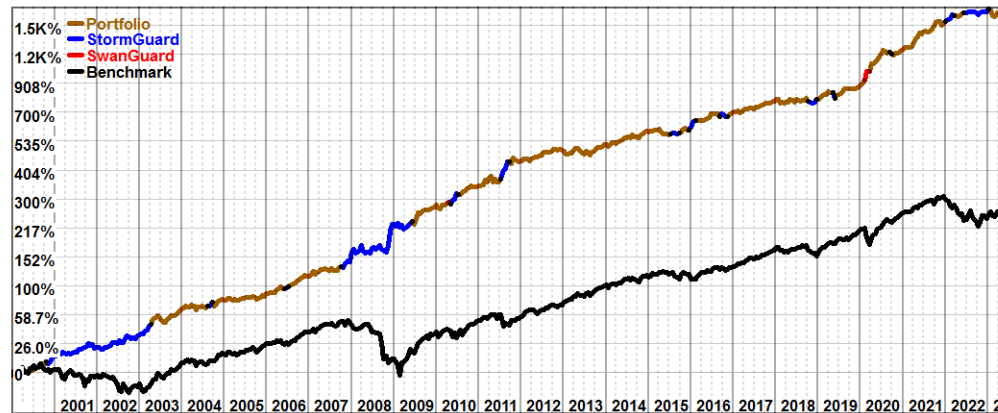
Statistics measured from 6/1/2004 by AlphaDroid.

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RISK
28
Riskalyze



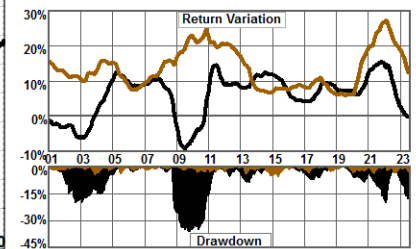
CAGR
13
Percent



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	12.1%	20.5%	9.2%	2.5%	18.0%	14.1%	31.8%	14.4%	19.1%	20.5%	9.1%	5.3%	10.5%	1.8%	13.9%	10.1%	1.4%	10.7%	34.2%	23.3%	10.0%
Benchmark	-8.6%	20.3%	9.3%	5.7%	12.1%	7.6%	-23.3%	18.7%	11.1%	2.3%	11.6%	16.6%	7.5%	1.3%	5.6%	14.7%	-4.0%	21.5%	15.7%	13.6%	-16.2%

Hypothetical portfolio model performance assumes trade signals provided are executed at the close of the subsequent market day. Past performance does not guarantee future performance. Copyright 2023 SumGrowth Strategies, LLC all rights reserved.

Underlying Strategies	Weight
1. Tactical Risk Mitigation-1	25.0%
2. Tactical Risk Mitigation-2	25.0%
3. Tactical Risk Mitigation-3	25.0%
4. Tactical Risk Mitigation-4	25.0%



	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
Portfolio	-0.2%	-0.3%	10.4%	15.2%	11.8%	13.2%
Benchmark	12.1%	6.6%	5.3%	7.1%	7.3%	7.1%

Methodology		Portfolio Construction		
Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. Candidate ETFs may be defensive ETFs or equity ETFs.		Selections are made from a universe of over 48 ETFs that include a wide range of bond and Treasury categories, gold, and the S&P 500 index. A simple 60/40 portfolio forms the model's backbone, which is challenged for momentum leadership by the defensive ETFs. The Strategy includes an integrated Bear Market Strategy, which limits the selection universe.		
Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Conservative	Month-End	Exit market quickly for a for Black Swan event. Get back in early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: BULL Market

Sym	%	Fund Name
1	QQQ	25.0 Invesco QQQ ETF
2	IVE	25.0 iShares S&P 500 Value ETF
3	VONG	25.0 Vanguard Russell 1000 Growth ETF
4	IWY	25.0 iShares Russell Top 200 Growth ETF

Alpha Stylebox DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 05-25-2006 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y,G Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** S&P500 The S&P500 U.S. stock market index.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	33.1	19.7%	25%
Benchmark	75.9	10.1%	55%

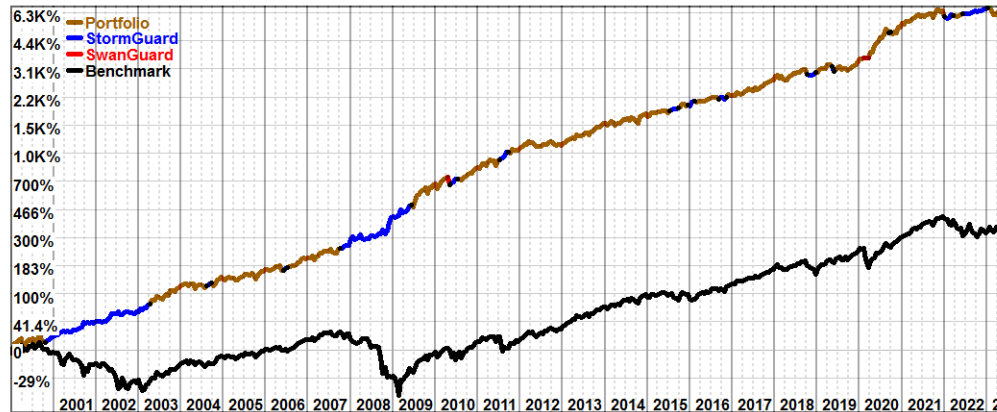
Statistics measured from 6/1/2004 by AlphaDroid.

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RISK
33
Riskalyze

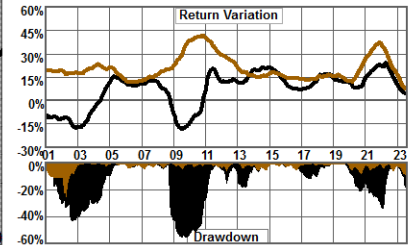
ALPHADROID

CAGR
20
Percent



Underlying Strategies

Underlying Strategies	Weight
1. Stylebox SPDR DD	25.0%
2. Stylebox iShares DD	25.0%
3. Stylebox Vanguard DD	25.0%
4. Stylebox Russell DD	25.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	16.1%	34.7%	12.7%	5.7%	17.3%	22.1%	37.7%	47.6%	23.1%	25.8%	6.9%	30.6%	10.8%	11.9%	12.4%	22.4%	9.4%	13.8%	55.3%	19.5%	3.8%
Benchmark	-22.1%	28.7%	10.9%	4.9%	15.8%	5.5%	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	31.5%	18.4%	28.7%	-18.1%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
Portfolio	3.3%	9.2%	13.0%	18.0%	16.9%	19.7%
Benchmark	20.6%	13.0%	13.7%	12.2%	12.7%	10.1%

Methodology

Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.

Portfolio Construction

[More Charts](#)

The ETF selection is made from a field of 44 classic Stylebox ETFs divided among SPDR, iShares, Vanguard and Russell. The underlying strategies employ a momentum backstop having defensive funds that compete for momentum leadership with the 44 Stylebox ETFs. The Strategy includes a defensive integrated Bear Market Strategy, triggered by StormGuard.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Conservative	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name
1	XLK	25.0 Technology Select Sector SPDR ETF
2	XHB	25.0 SPDR S&P Homebuilders ETF
3	ITB	25.0 iShares US Home Construction ETF
4	PSI	25.0 Invesco Dynamic Semiconductors ETF

Alpha Sectors DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 03-06-2007 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y,G,0 Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** S&P500 The S&P500 U.S. stock market index.

Hypothetical Performance

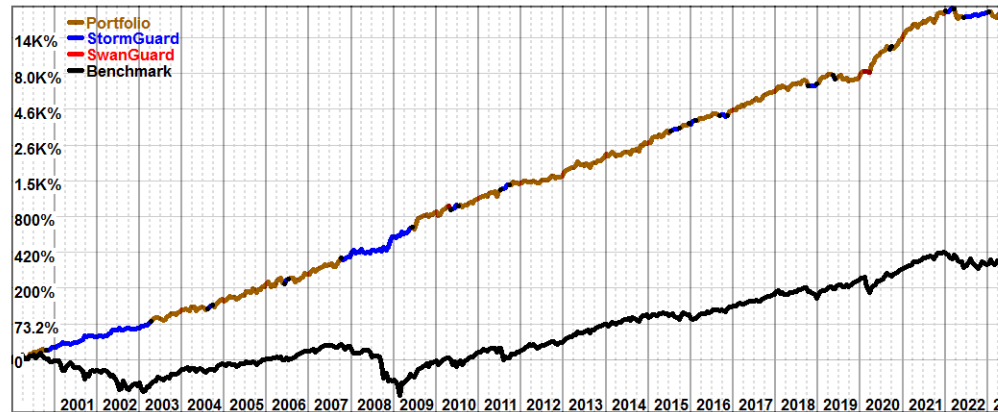
	RISK	CAGR	MaxDD
Portfolio	31.1	26.7%	18%
Benchmark	75.9	10.1%	55%

Statistics measured from 6/1/2004 by AlphaDroid.

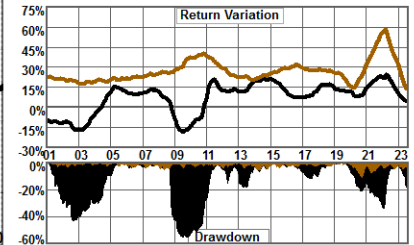
RISK
31
Riskalyze

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CAGR
27
Percent



Underlying Strategies	Weight
1. Sectors SPDR-9 DD	25.0%
2. Sectors SPDR Gold DD	25.0%
3. Sectors iShares DD	25.0%
4. Sectors Aggressive DD	25.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	15.7%	28.1%	19.8%	18.5%	25.5%	31.6%	34.0%	44.7%	23.9%	24.3%	14.5%	34.0%	20.8%	37.6%	19.1%	35.9%	13.6%	11.3%	77.7%	49.1%	1.6%
Benchmark	-22.1%	28.7%	10.9%	4.9%	15.8%	5.5%	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	31.5%	18.4%	28.7%	-18.1%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
Portfolio	-0.1%	5.5%	21.1%	25.2%	26.2%	26.6%
Benchmark	20.6%	13.0%	13.7%	12.2%	12.7%	10.1%

Methodology		Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
Investor Risk Profile		Scheduled	Unscheduled		
Moderate	Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

	Sym	%	Fund Name
1	IOO	25.0	iShares Global 100 ETF
2	QQQ	25.0	Invesco QQQ ETF
3	EDIV	25.0	SPDR S&P Emerging Markets Dividend ETF
4	IXN	25.0	iShares Global Technology ETF

Alpha Global DD Portfolio

- ▶ **Portfolio Inception Date: 12-25-2022** When the portfolio design was completed and available.
- ▶ **Forward Walk Starting: 12-24-2006** Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy: BMS-W,Y** Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index: S&P500** The S&P500 U.S. stock market index.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	33.4	21.9%	16%
Benchmark	75.9	10.1%	55%

Statistics measured from 6/1/2004 by AlphaDroid.

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RISK

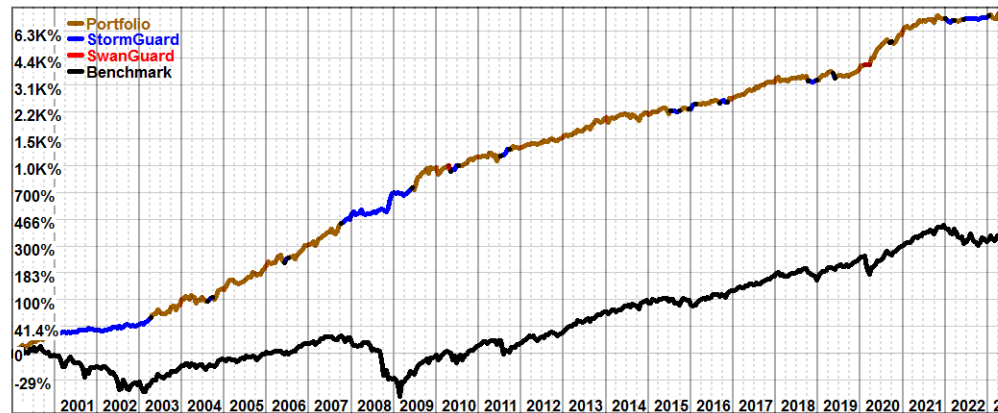
33

Riskalyze

CAGR

22

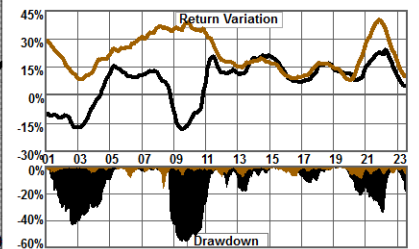
Percent



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	8.6%	30.9%	22.4%	26.1%	38.3%	41.8%	36.8%	36.6%	17.0%	11.3%	15.8%	28.1%	5.0%	6.7%	13.0%	26.4%	1.7%	15.3%	57.6%	21.5%	1.5%
Benchmark	-22.1%	28.7%	10.9%	4.9%	15.8%	5.5%	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	31.5%	18.4%	28.7%	-18.1%

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Underlying Strategies	Weight
1. Global Regions iSh DD	25.0%
2. Global Countries DD	25.0%
3. Global Regions SPDR DD	25.0%
4. Global Sectors DD	25.0%



Methodology

Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.

Portfolio Construction

[More Charts](#)

The Global ETF selections are made from a field of 43 country, region, and sector ETFs from various asset managers. The underlying strategies employ a momentum backstop having defensive funds that compete for momentum leadership with the 43 Global ETFs. The Strategy includes a defensive integrated Bear Market Strategy, triggered by StormGuard.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Moderate	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name
1	ESGY	25.0 American Century Sustainable Growth ETF
2	FIW	25.0 First Trust Water ETF
3	ACES	25.0 ALPS Clean Energy ETF
4	DRIV	25.0 Global X Atnms & Elctr Vchls ETF

Alpha Green DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 11-12-2015 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,0,Z Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** S&P500 The S&P500 U.S. stock market index.

Hypothetical Performance

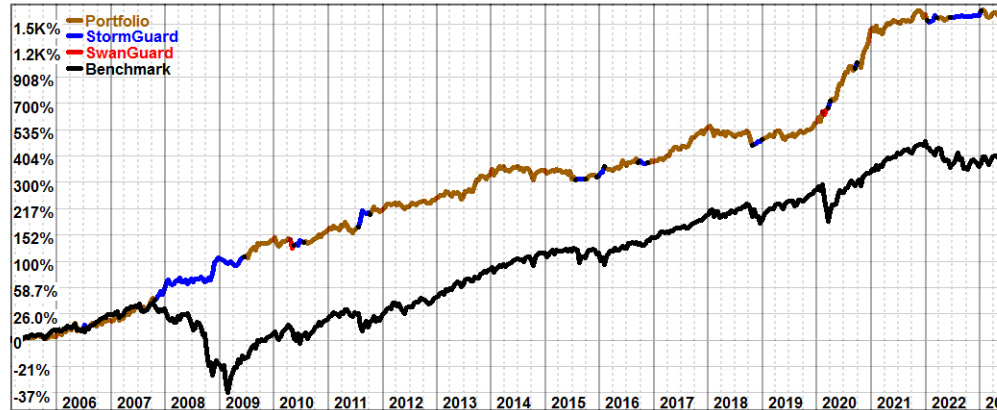
	RISK	CAGR	MaxDD
Portfolio	44.0	17.4%	17%
Benchmark	77.0	9.7%	55%

Statistics measured from 6/1/2004 by AlphaDroid.

RISK
44
Riskalyze

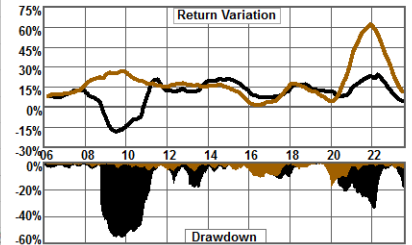
Jul 31, 2023

CAGR
17
Percent



Underlying Strategies

Underlying Strategies	Weight
1. Sustainable Future DD	25.0%
2. Clean Water DD	25.0%
3. Clean Energy DD	25.0%
4. Electric Vehicles DD	25.0%



	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022				
Portfolio	-	-	-	-	14.3%	31.3%	31.1%	17.6%	9.5%	18.1%	10.3%	26.9%	2.1%	-5.2%	13.1%	33.3%	-8.6%	16.5%	113.2%	20.4%	-0.4%
Benchmark	-	-	-	-	15.8%	5.5%	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	31.5%	18.4%	28.7%	-18.1%

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Methodology		Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
Investor Risk Profile		Scheduled	Unscheduled		
Moderate	Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name
1 ARKQ	25.0	ARK Autonomous Technology & Robotics ET
2 XWEB	25.0	SPDR S&P Internet ETF
3 AIQ	25.0	Global X Artificial Intelligence&Tech ET
4 XLK	25.0	Technology Select Sector SPDR ETF

Alpha Innovation DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 01-03-2019 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-G,M Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** S&P500 The S&P500 U.S. stock market index.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	47.6	23.1%	26%
Benchmark	75.9	10.1%	55%

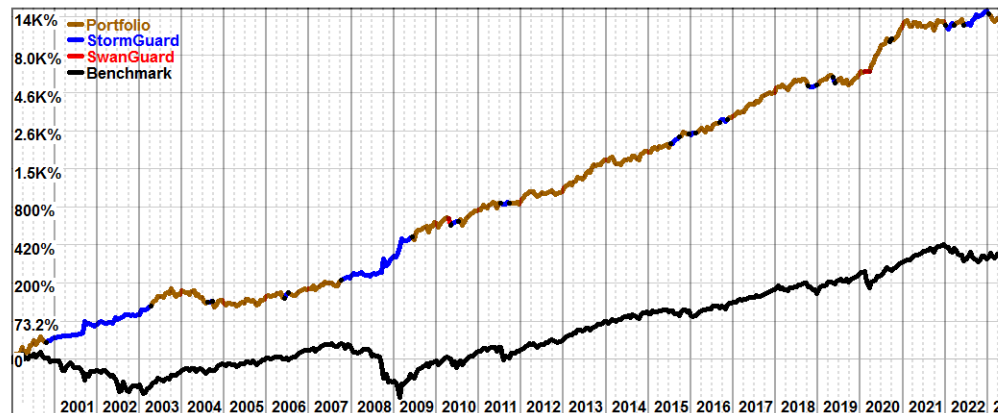
Statistics measured from 6/1/2004 by AlphaDroid.

RISK
48
Riskalyze

Jul 31, 2023



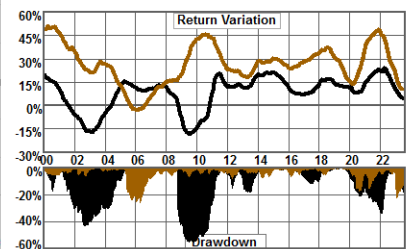
CAGR
23
Percent



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	18.9%	35.1%	-10.9%	1.5%	14.8%	20.6%	34.1%	63.1%	18.3%	11.7%	18.8%	59.2%	10.3%	31.0%	24.7%	45.7%	12.4%	15.4%	95.4%	9.8%	17.3%
Benchmark	-22.1%	28.7%	10.9%	4.9%	15.8%	5.5%	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	31.5%	18.4%	28.7%	-18.1%

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Underlying Strategies	Weight
1. Innov. ARK DD	25.0%
2. Innov. Internet DD	25.0%
3. Innov. Robo-AI DD	25.0%
4. Innov. Bio-Genome DD	25.0%



YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
3.0%	23.2%	18.7%	24.2%	26.7%	23.0%
20.6%	13.0%	13.7%	12.2%	12.7%	10.1%

Methodology Portfolio Construction [More Charts](#)

Tactical Momentum Strategies. Each of the four underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.

The Innovation ETF selections are made from a field of 33 ARK, internet, robotics, AI, and bio-genome ETFs. The underlying strategies employ a momentum backstop having defensive funds that compete for momentum leadership with the 33 green ETFs. The Strategy includes a defensive integrated Bear Market Strategy, triggered by StormGuard.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Growth	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name		
1	BSX	9.1	Boston Scientific	9	NVDA	9.1	Nvidia
2	MDLZ	9.1	Mondelez International-A	10	PCG	9.1	PG&E
3	TJX	9.1	TJX Companies	11	SCCO	9.1	Southern Copper
4	SPGI	9.1	S&P Global Inc				
5	ETN	9.1	Eaton				
6	EPD	9.1	Enterprise Products Partners LP				
7	META	9.1	Meta Platforms Inc				
8	DLR	9.1	Digital Realty Trust				

Alpha Stocks DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 07-20-2003 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** S&P500 The S&P500 U.S. stock market index.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	27.6	38.0%	20%
Benchmark	75.9	10.1%	55%

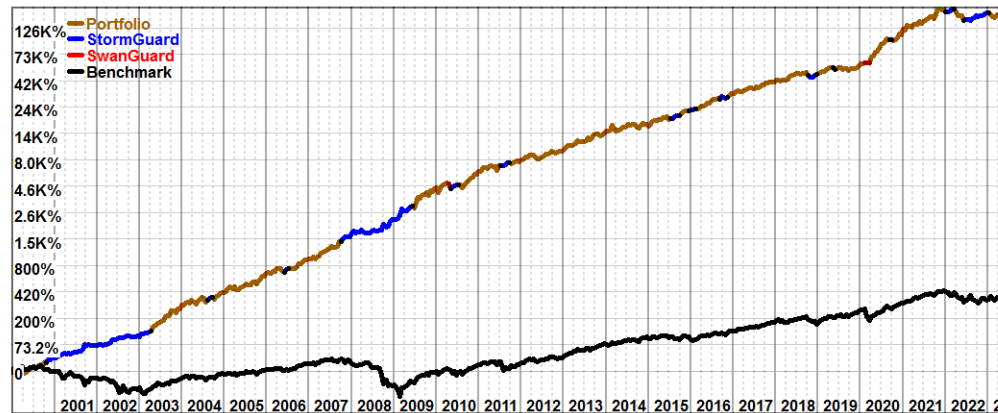
Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

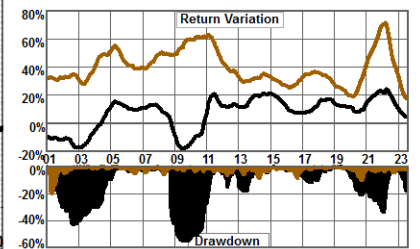
RISK
28



CAGR
38



Strategy	Wt.	Strategy	Wt.
Stocks: Healthcare	9.1%	Stocks: Communications	9.1%
Stocks: Cons. Staples	9.1%	Stocks: Real Estate	9.1%
Stocks: Cons. Discretionary	9.1%	Stocks: Technology	9.1%
Stocks: Finance	9.1%	Stocks: Utilities	9.1%
Stocks: Industrial	9.1%	Stocks: Materials	9.1%
Stocks: Energy	9.1%		



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	22.9%	81.3%	38.4%	36.6%	40.3%	66.7%	40.4%	84.7%	37.2%	30.1%	27.3%	43.7%	18.9%	33.7%	40.2%	28.4%	19.1%	18.4%	95.2%	63.0%	-5.6%
Benchmark	-22.1%	28.7%	10.9%	4.9%	15.8%	5.5%	-37.0%	26.5%	15.1%	2.1%	16.0%	32.4%	13.7%	1.4%	12.0%	21.8%	-4.4%	31.5%	18.4%	28.7%	-18.1%

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Methodology		Portfolio Construction		
<p>Tactical Momentum Strategies. Each of the 11 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.</p>		<p>The Stocks selections are made from a field of 121 of the largest cap stocks in each of the 11 economic sectors. The underlying strategies employ a momentum backstop having defensive funds that compete for momentum leadership with the 121 Stocks. The Strategy includes a defensive integrated Bear Market Strategy, triggered by StormGuard.</p>		
Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Growth	Month-End	<p>Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.</p>	<p>StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.</p>	<p>Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.</p>

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	20.0	SPDR Blmbg High Yield Bond ETF	9	IVE	2.5	iShares S&P 500 Value ETF
2	SHYG	20.0	iShares 0-5 Year High-Yield Bond ETF	10	VONG	2.5	Vanguard Russell 1000 Growth ETF
3	FALN	17.5	iShares Fallen Angels USD Bond ETF	11	IWY	2.5	iShares Russell Top 200 Growth ETF
4	IEI	17.5	iShares 3-7 Year Treasury Bond ETF				
5	SPY	7.5	SPDR S&P 500 ETF				
6	BND	5.0	Vanguard Total Bond Market ETF				
7	GLD	2.5	SPDR Gold ETF				
8	QQQ	2.5	Invesco QQQ ETF				

Alpha 20:80 DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 05-07-2011 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B2080 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	22.5	10.6%	8%
Benchmark	25.5	4.1%	14%

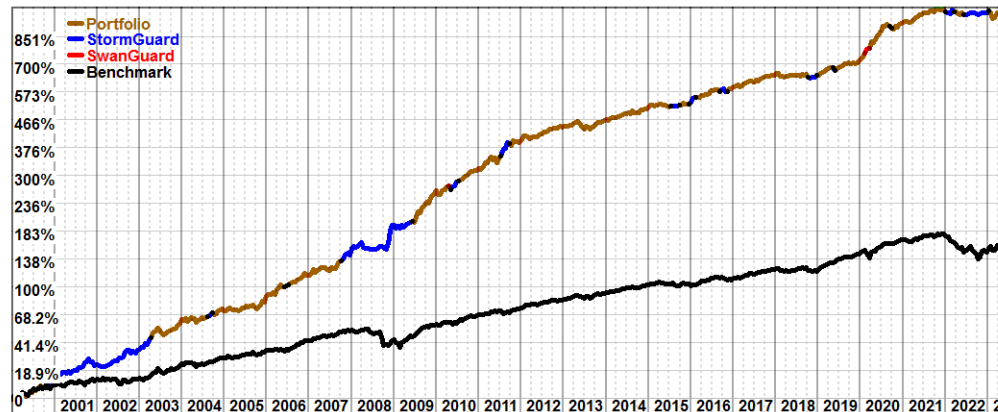
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Jul 31, 2023

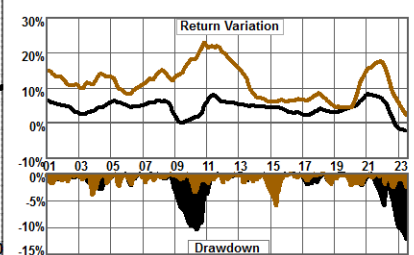
RISK
22
Riskalyze



CAGR
11
Percent



Strategy	Wt.	Strategy	Wt.
Bonds SPDR	20%	Tactical Risk Mitigation-3	2.5%
Gold'n Yield	20%	Tactical Risk Mitigation-4	2.5%
Bonds iShares	17.5%	Stylebox SPDR DD	2.5%
Treasuries	17.5%	Stylebox iShares DD	2.5%
Tactical Risk Mitigation-1	5.0%	Stylebox Vanguard DD	2.5%
Tactical Risk Mitigation-2	5.0%	Stylebox Russell DD	2.5%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	11.9%	17.0%	8.6%	5.8%	17.1%	14.8%	18.8%	21.4%	16.9%	17.1%	10.4%	4.2%	7.4%	3.0%	10.2%	8.8%	-0.5%	9.4%	27.0%	9.0%	-2.3%
Benchmark	1.0%	8.5%	5.2%	3.6%	7.0%	6.8%	-5.6%	8.9%	6.6%	4.3%	5.6%	4.3%	5.0%	0.6%	3.0%	6.5%	-0.9%	11.3%	9.1%	3.6%	10.9%

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Methodology		Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
Investor Risk Profile		Scheduled	Unscheduled		
Fixed Income	Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

[More Charts](#)

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name
1	JNK 12.5	SPDR Blmbg High Yield Bond ETF	9	IVE 6.3	iShares S&P 500 Value ETF
2	SHYG 12.5	iShares 0-5 Year High-Yield Bond ETF	10	XLK 6.3	Technology Select Sector SPDR ETF
3	FALN 12.5	iShares Fallen Angels USD Bond ETF	11	XHB 6.3	SPDR S&P Homebuilders ETF
4	IEI 12.5	iShares 3-7 Year Treasury Bond ETF			
5	SPY 11.3	SPDR S&P 500 ETF			
6	BND 7.5	Vanguard Total Bond Market ETF			
7	GLD 6.3	SPDR Gold ETF			
8	QQQ 6.3	Invesco QQQ ETF			

Alpha 40:60 DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 05-07-2011 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B4060 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	21.8	13.6%	9%
Benchmark	36.4	5.7%	24%

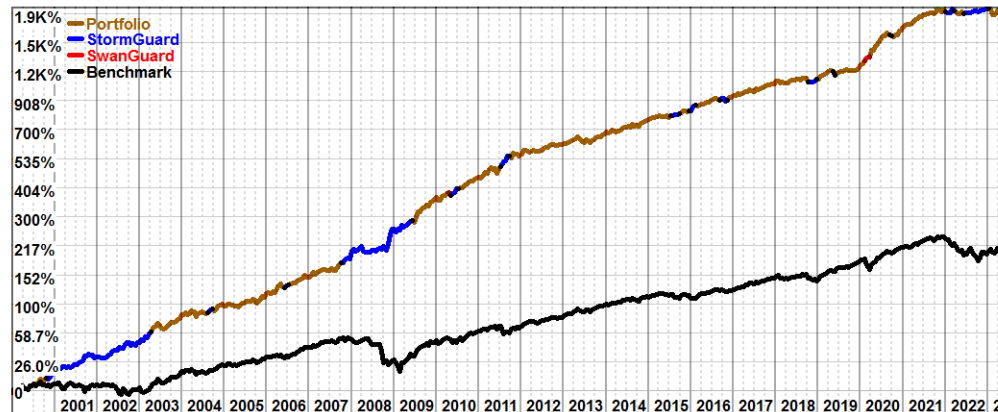
Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

RISK
22
Riskalyze

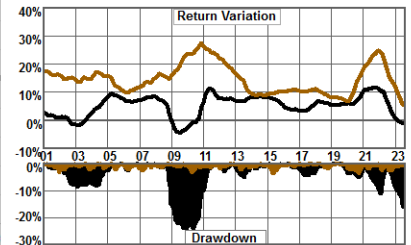


CAGR
14
Percent



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	14.1%	20.9%	10.9%	6.0%	18.0%	17.1%	24.0%	26.5%	19.5%	18.2%	9.5%	9.1%	10.3%	8.4%	11.6%	11.7%	3.3%	9.6%	35.3%	16.6%	1.1%
Benchmark	-3.8%	14.4%	7.2%	4.7%	9.5%	7.2%	-14.8%	13.8%	8.9%	3.4%	8.6%	10.3%	6.2%	1.0%	4.3%	10.5%	-2.4%	16.3%	12.7%	8.5%	-13.5%

Strategy	Wt.	Strategy	Wt.
Bonds SPDR	12.5%	Tactical Risk Mitigation-3	6.3%
Gold'n Yield	12.5%	Tactical Risk Mitigation-4	6.3%
Bonds iShares	12.5%	Stylebox SPDR DD	6.3%
Treasuries	12.5%	Stylebox iShares DD	6.3%
Tactical Risk Mitigation-1	6.3%	Sectors SPDR-9 DD	6.3%
Tactical Risk Mitigation-2	6.3%	Sectors SPDR Gold DD	6.3%



YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
0.0%	2.2%	6.9%	12.1%	11.0%	13.6%
8.7%	4.1%	2.7%	5.2%	5.4%	5.7%

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Methodology		Portfolio Construction		
Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.		The 40:60 Portfolio is a blended set of portfolios including: 50% Alpha Bonds, 25% Alpha Risk Mitigation, 12.5% Alpha Stylebox, and 12.5% Alpha Sectors. The Portfolio will never allocate more than 40% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 40%.		
Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Conservative	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	8.0	SPDR Blmbg High Yield Bond ETF	9	IVE	12.0	iShares S&P 500 Value ETF
2	SHYG	8.0	iShares 0-5 Year High-Yield Bond ETF	10	VONG	12.0	Vanguard Russell 1000 Growth ETF
3	FALN	8.0	iShares Fallen Angels USD Bond ETF	11	IWY	12.0	iShares Russell Top 200 Growth ETF
4	IEI	8.0	iShares 3-7 Year Treasury Bond ETF				
5	SPY	8.4	SPDR S&P 500 ETF				
6	BND	5.6	Vanguard Total Bond Market ETF				
7	GLD	6.0	SPDR Gold ETF				
8	QQQ	12.0	Invesco QQQ ETF				

Alpha 60:40 Core DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 05-07-2011 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	24.6	14.9%	10%
Benchmark	49.4	7.1%	36%

Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

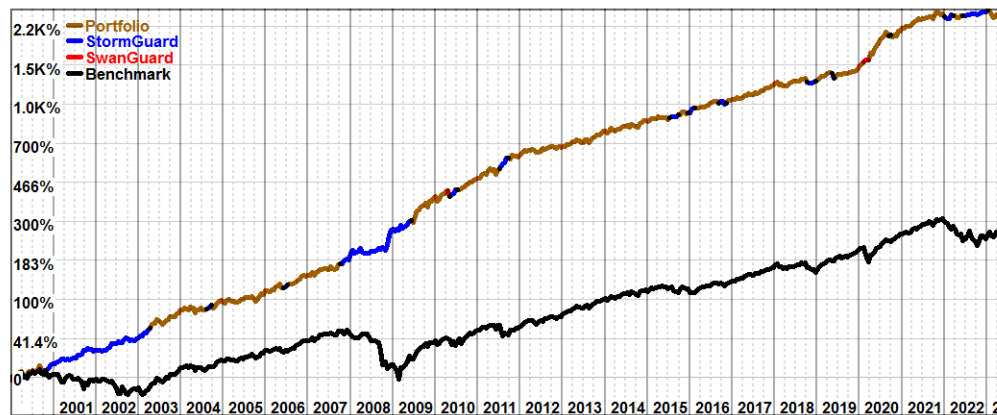
RISK
25

Riskalyze

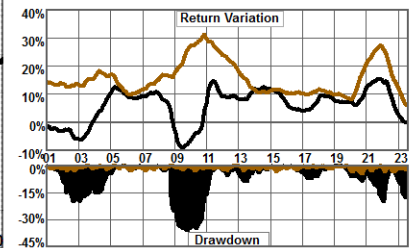


CAGR
15

Percent



Strategy	Wt.	Strategy	Wt.
Bonds SPDR	8.0%	Tactical Risk Mitigation-3	6.0%
Gold'n Yield	8.0%	Tactical Risk Mitigation-4	6.0%
Bonds iShares	8.0%	Stylebox SPDR DD	12.0%
Treasuries	8.0%	Stylebox iShares DD	12.0%
Tactical Risk Mitigation-1	4.0%	Stylebox Vanguard DD	12.0%
Tactical Risk Mitigation-2	4.0%	Stylebox Russell DD	12.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	13.6%	25.0%	10.9%	5.1%	17.5%	17.9%	28.4%	31.2%	19.8%	21.1%	8.8%	15.6%	9.4%	7.0%	11.7%	14.7%	4.3%	11.7%	40.2%	15.5%	1.8%
Benchmark	-8.6%	20.3%	9.3%	5.7%	12.1%	7.6%	-23.3%	18.7%	11.1%	2.3%	11.6%	16.6%	7.5%	1.3%	5.6%	14.7%	-4.0%	21.5%	15.7%	13.6%	-16.2%

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Methodology

Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.

Portfolio Construction

[More Charts](#)

The 60:40 Core Portfolio is a blended combination of other portfolios including: 32% Alpha Bonds, 20% Alpha Risk Mitigation, and 48% Alpha Stylebox. The Portfolio will never allocate more than 60% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 60%.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Conservative	Month-End	Exit market quickly for a Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	8.0	SPDR Blmbg High Yield Bond ETF	9	XHB	12.0	SPDR S&P Homebuilders ETF
2	SHYG	8.0	iShares 0-5 Year High-Yield Bond ETF	10	ITB	12.0	iShares US Home Construction ETF
3	FALN	8.0	iShares Fallen Angels USD Bond ETF	11	PSI	12.0	Invesco Dynamic Semiconductors ETF
4	IEI	8.0	iShares 3-7 Year Treasury Bond ETF				
5	SPY	8.4	SPDR S&P 500 ETF				
6	BND	5.6	Vanguard Total Bond Market ETF				
7	GLD	6.0	SPDR Gold ETF				
8	XLK	12.0	Technology Select Sector SPDR ETF				

Alpha 60:40 Sectors DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 05-07-2011 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	22.7	18.3%	12%
Benchmark	49.4	7.1%	36%

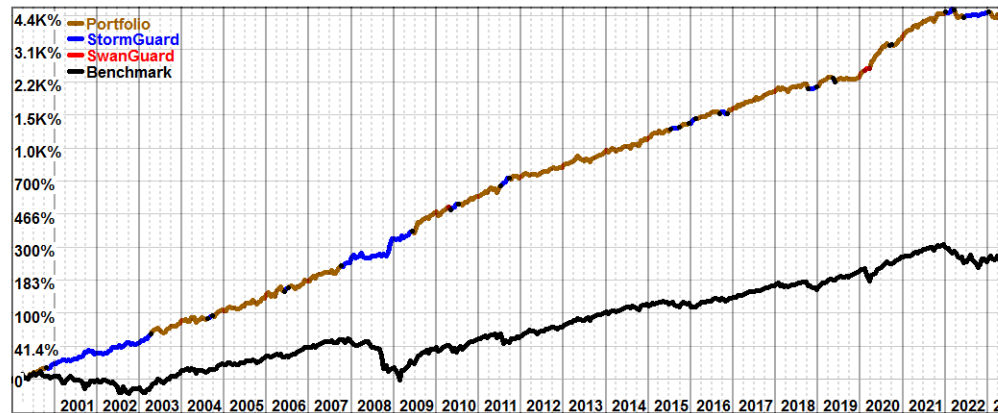
Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

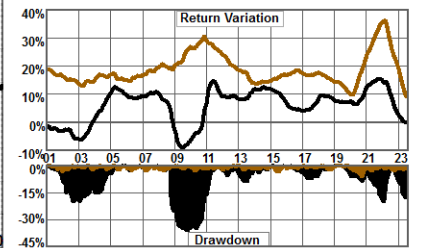
RISK
23
Riskalyze



CAGR
18
Percent



Strategy	Wt.	Strategy	Wt.
Bonds SPDR	8.0%	Tactical Risk Mitigation-3	6.0%
Gold'n Yield	8.0%	Tactical Risk Mitigation-4	6.0%
Bonds iShares	8.0%	Sectors SPDR-9 DD	12.0%
Treasuries	8.0%	Sectors SPDR Gold DD	12.0%
Tactical Risk Mitigation-1	4.0%	Sectors iShares DD	12.0%
Tactical Risk Mitigation-2	4.0%	Sectors Aggressive DD	12.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	13.3%	22.2%	14.4%	11.7%	21.8%	22.4%	26.8%	29.9%	20.1%	20.4%	12.2%	17.1%	14.0%	18.5%	14.9%	20.8%	6.3%	10.6%	50.0%	29.1%	0.7%
Benchmark	-8.6%	20.3%	9.3%	5.7%	12.1%	7.6%	-23.3%	18.7%	11.1%	2.3%	11.6%	16.6%	7.5%	1.3%	5.6%	14.7%	-4.0%	21.5%	15.7%	13.6%	-16.2%

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Methodology			Portfolio Construction	
<p>Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.</p>			<p>The 60:40 Sectors Portfolio is a blended combination of other portfolios including: 32% Alpha Bonds, 20% Alpha Risk Mitigation, and 48% Alpha Sectors. The Portfolio will never allocate more than 60% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 60%.</p>	
Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Moderate	Month-End	<p>Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.</p>	<p>StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.</p>	<p>Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.</p>

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name		
1	FALN	15.0	iShares Fallen Angels USD Bond ETF	9	IOO	2.5	iShares Global 100 ETF
2	IEI	15.0	iShares 3-7 Year Treasury Bond ETF	10	EDIV	5.0	SPDR S&P Emerging Markets Dividend ETF
3	SPY	15.0	SPDR S&P 500 ETF	11	IXN	5.0	iShares Global Technology ETF
4	BND	10.0	Vanguard Total Bond Market ETF				
5	QQQ	10.0	Invesco QQQ ETF				
6	IVE	7.5	iShares S&P 500 Value ETF				
7	VONG	7.5	Vanguard Russell 1000 Growth ETF				
8	IWY	7.5	iShares Russell Top 200 Growth ETF				

Alpha 60:40 Global DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 10-01-2007 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	23.9	14.0%	10%
Benchmark	49.4	7.1%	36%

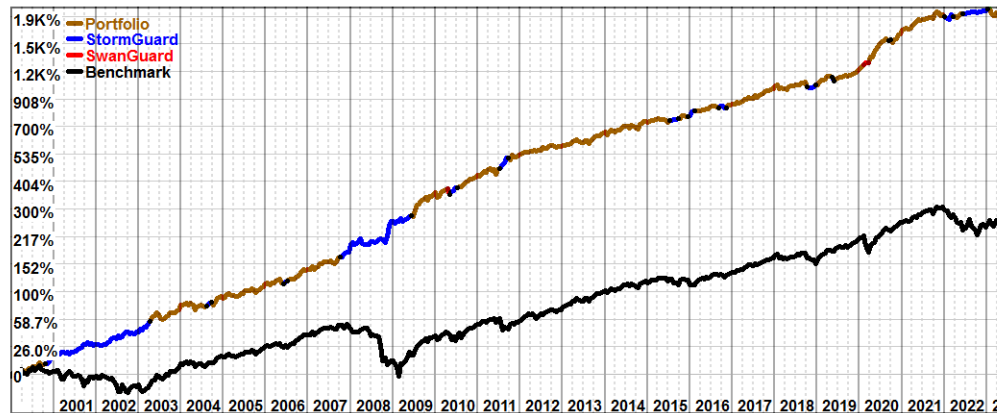
Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

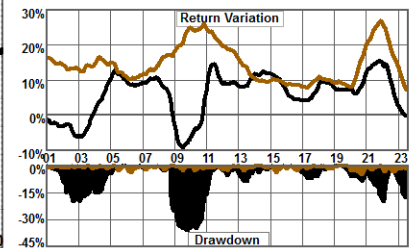
RISK
24



CAGR
14



Strategy	Wt.	Strategy	Wt.
Bonds iShares	15.0%	Stylebox Vanguard DD	7.5%
Treasuries	15.0%	Stylebox Russell DD	7.5%
Tactical Risk Mitigation-1	12.5%	Global Regions iSh DD	2.5%
Tactical Risk Mitigation-2	12.5%	Global Countries DD	2.5%
Stylebox SPDR DD	7.5%	Global Regions SPDR DD	5.0%
Stylebox iShares DD	7.5%	Global Sectors DD	5.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	14.1%	20.2%	10.7%	7.6%	15.4%	18.5%	27.3%	24.7%	16.5%	18.9%	8.4%	12.6%	9.0%	4.3%	9.9%	15.0%	3.3%	12.5%	37.5%	16.5%	3.3%
Benchmark	-8.6%	20.3%	9.3%	5.7%	12.1%	7.6%	-23.3%	18.7%	11.1%	2.3%	11.6%	16.6%	7.5%	1.3%	5.6%	14.7%	-4.0%	21.5%	15.7%	13.6%	-16.2%

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Methodology

Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.

Portfolio Construction

[More Charts](#)

The 60:40 Global Portfolio is a blended combination of other portfolios including: 32% Alpha Bonds, 20% Alpha Risk Mitigation, and 48% Alpha Global. The Portfolio will never allocate more than 60% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 60%.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Moderate	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.



Alpha 60:40 Green DD

Dual Defense™ Portfolio

July 31, 2023

Model Rebalanced: Aug-01-2023

Status: BULL Market

Sym	%	Fund Name	Sym	%	Fund Name
1	FALN 15.0	iShares Fallen Angels USD Bond ETF	9	ESGY 2.5	American Century Sustainable Growth ETF
2	IEI 15.0	iShares 3-7 Year Treasury Bond ETF	10	FIW 2.5	First Trust Water ETF
3	SPY 15.0	SPDR S&P 500 ETF	11	ACES 5.0	ALPS Clean Energy ETF
4	BND 10.0	Vanguard Total Bond Market ETF	12	DRIV 5.0	Global X Atms & Elctrc Vhcls ETF
5	QQQ 7.5	Invesco QQQ ETF			
6	IVE 7.5	iShares S&P 500 Value ETF			
7	XLK 7.5	Technology Select Sector SPDR ETF			
8	ITB 7.5	iShares US Home Construction ETF			

Alpha 60:40 Green DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 10-01-2007 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	24.2	14.5%	10%
Benchmark	49.4	7.1%	36%

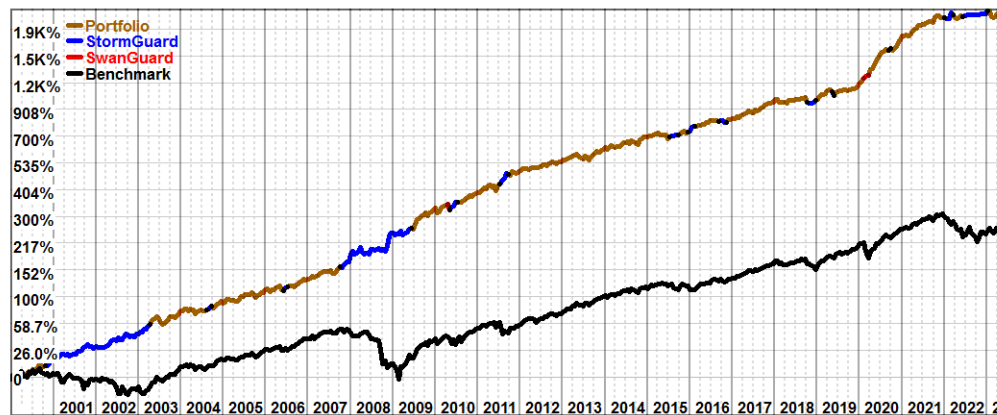
Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

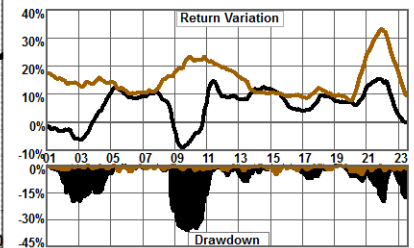
RISK
24
Riskalyze



CAGR
14
Percent



Strategy	Wt.	Strategy	Wt.
Bonds iShares	15.0%	Sectors SPDR-9 DD	7.5%
Treasuries	15.0%	Sectors iShares DD	7.5%
Tactical Risk Mitigation-1	12.5%	Sustainable Future DD	2.5%
Tactical Risk Mitigation-2	12.5%	Clean Water DD	2.5%
Stylebox SPDR DD	7.5%	Clean Energy DD	5.0%
Stylebox iShares DD	7.5%	Electric Vehicles DD	5.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	14.6%	18.0%	10.5%	7.6%	12.1%	18.9%	26.2%	21.2%	16.3%	20.0%	8.9%	12.1%	10.3%	4.7%	11.0%	16.8%	1.8%	13.0%	50.0%	20.0%	3.8%
Benchmark	-8.6%	20.3%	9.3%	5.7%	12.1%	7.6%	-23.3%	18.7%	11.1%	2.3%	11.6%	16.6%	7.5%	1.3%	5.6%	14.7%	-4.0%	21.5%	15.7%	13.6%	-16.2%

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Methodology

Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.

Portfolio Construction

[More Charts](#)

The 60:40 Green Portfolio is a blended combination of other portfolios including: 32% Alpha Bonds, 20% Alpha Risk Mitigation, and 48% Alpha Green. The Portfolio will never allocate more than 60% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 60%.

Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Moderate	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

See Legal-Disclaimer page for technical terms, historical data, and service limits information. Performance updated daily.

Model Rebalanced: Aug-01-2023

Status: **BULL** Market

Sym	%	Fund Name	Sym	%	Fund Name		
1	SHYG	20.0	iShares 0-5 Year High-Yield Bond ETF	9	META	5.0	Meta Platforms Inc
2	IEI	20.0	iShares 3-7 Year Treasury Bond ETF	10	DLR	5.0	Digital Realty Trust
3	BSX	7.5	Boston Scientific	11	NVDA	7.5	Nvidia
4	MDLZ	5.0	Mondelez International-A	12	SCCO	5.0	Southern Copper
5	TJX	7.5	TJX Companies				
6	SPGI	5.0	S&P Global Inc				
7	ETN	5.0	Eaton				
8	EPD	7.5	Enterprise Products Partners LP				

Alpha 60:40 Stocks DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 04-16-2006 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	22.9	27.6%	14%
Benchmark	49.4	7.1%	36%

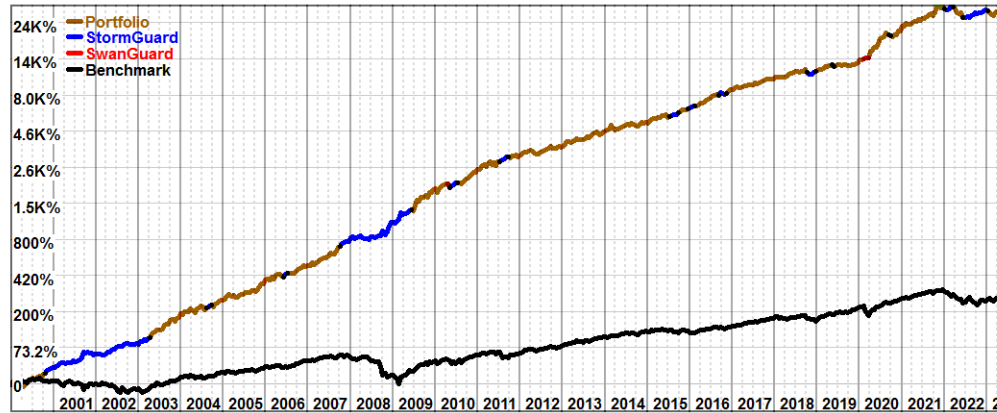
Statistics measured from 6/1/2004 by AlphaDroid.

RISK
23
Riskalyze

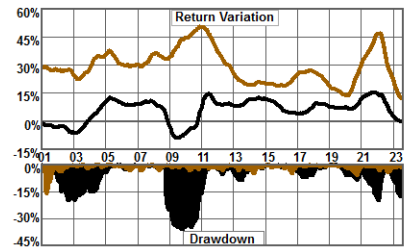
Jul 31, 2023



CAGR
28
Percent



Strategy	Wt.	Strategy	Wt.
Gold'n Yield	20%	Stocks: Industrial	5.0%
Treasuries	20%	Stocks: Energy	7.5%
Stocks: Healthcare	7.5%	Stocks: Communications	5.0%
Stocks: Cons. Staples	5.0%	Stocks: Real Estate	5.0%
Stocks: Cons. Discretionary	7.5%	Stocks: Technology	7.5%
Stocks: Finance	5.0%	Stocks: Materials	5.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	19.5%	50.4%	28.6%	28.0%	30.2%	46.6%	32.2%	63.2%	31.9%	25.9%	17.0%	24.1%	15.1%	23.8%	32.4%	19.5%	12.7%	14.4%	62.4%	41.9%	-4.2%
Benchmark	-8.6%	20.3%	9.3%	5.7%	12.1%	7.6%	-23.3%	18.7%	11.1%	2.3%	11.6%	16.6%	7.5%	1.3%	5.6%	14.7%	-4.0%	21.5%	15.7%	13.6%	-16.2%

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Methodology		Portfolio Construction		
Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.		The 60:40 Stocks Portfolio is a blended combination of other portfolios including: 40% Alpha Bonds and 60% Alpha Stocks. The Portfolio will never allocate more than 60% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 60%.		
Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Growth	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.

Model Rebalanced: Aug-01-2023

Status: **BULL Market**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	5.0	SPDR Blmbg High Yield Bond ETF	9	XLK	7.5	Technology Select Sector SPDR ETF
2	FALN	5.0	iShares Fallen Angels USD Bond ETF	10	XHB	7.5	SPDR S&P Homebuilders ETF
3	SPY	15.0	SPDR S&P 500 ETF	11	ITB	10.0	iShares US Home Construction ETF
4	BND	10.0	Vanguard Total Bond Market ETF	12	PSI	10.0	Invesco Dynamic Semiconductors ETF
5	IOO	7.5	iShares Global 100 ETF				
6	QQQ	7.5	Invesco QQQ ETF				
7	EDIV	7.5	SPDR S&P Emerging Markets Dividend ETF				
8	IXN	7.5	iShares Global Technology ETF				

Alpha 80:20 DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 08-13-2008 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B8020 Based on industry consensus asset allocation mix. See portfolio notes.

Hypothetical Performance

	RISK	CAGR	MaxDD
Portfolio	24.6	20.0%	12%
Benchmark	63.5	8.3%	47%

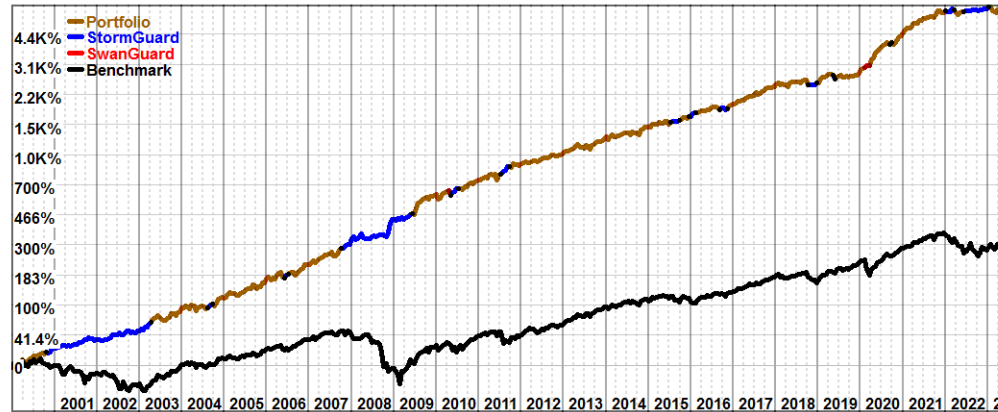
Statistics measured from 6/1/2004 by AlphaDroid.

Jul 31, 2023

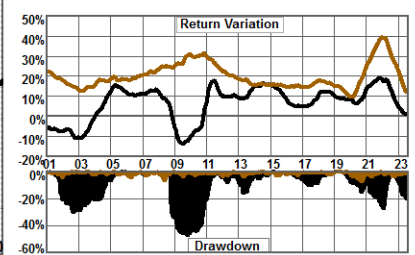
RISK
25
Riskalyze



CAGR
20
Percent



Strategy	Wt.	Strategy	Wt.
Bonds SPDR	5.0%	Global Regions SPDR DD	7.5%
Bonds iShares	5.0%	Global Sectors DD	7.5%
Tactical Risk Mitigation-1	12.5%	Sectors SPDR-9 DD	7.5%
Tactical Risk Mitigation-2	12.5%	Sectors SPDR Gold DD	7.5%
Global Regions iSh DD	7.5%	Sectors iShares DD	10.0%
Global Countries DD	7.5%	Sectors Aggressive DD	10.0%



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Portfolio	13.0%	25.1%	16.5%	16.5%	25.2%	27.6%	31.7%	30.8%	19.1%	19.3%	13.7%	20.3%	11.9%	13.4%	13.9%	24.2%	4.7%	12.1%	54.1%	30.1%	4.3%
Benchmark	-13.7%	26.2%	11.2%	6.7%	14.7%	7.9%	-31.4%	23.4%	12.7%	0.4%	14.3%	23.3%	8.5%	1.6%	6.8%	18.8%	-5.6%	26.4%	17.6%	18.9%	-18.2%

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Methodology		Portfolio Construction		
<p>Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end, wherein the trend leader of each is selected to be a member of the model's Portfolio for the subsequent month. In Bear markets candidates are defensive ETFs vs equity ETFs.</p>		<p>The 80:20 Portfolio is a blended set of portfolios including: 10% Alpha Bonds, 25% Alpha Risk Mitigation, 30% Alpha Global, and 35% Alpha Sectors. The Portfolio will never allocate more than 80% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 80%.</p>		
Investor Risk Profile	Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
	Scheduled	Unscheduled		
Growth	Month-End	Exit market quickly for a for Black Swan event. Get back into equities early for a particularly sharp market rebound.	StormGuard reviews 16 market health measures to determine Bull/Bear. A momentum backstop is also directly employed.	Economic, bureaucratic, and social responses to inflation, politics, and pandemics can disrupt momentum in otherwise orderly markets that is required for profitable trading.



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Dual Defense



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Model Blender



[AlphaDroid Wealth Mgr.](#)

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