



# The Alpha Sheet

## Dual Defense™ Portfolios

August 30, 2024

### Professional Portfolio Management Simplified

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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# StormGuard™ Defensive Snapshot

August 30, 2024

### Overview

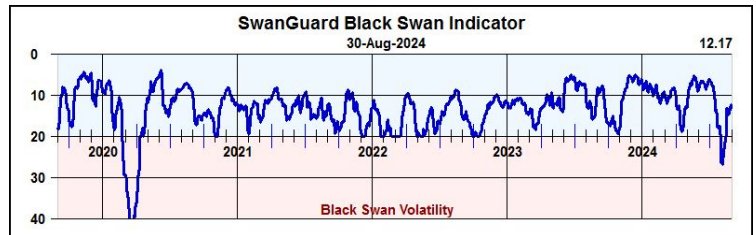
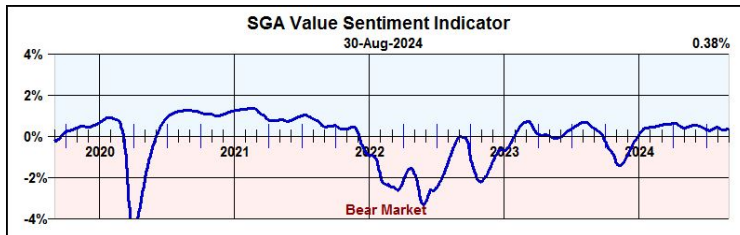
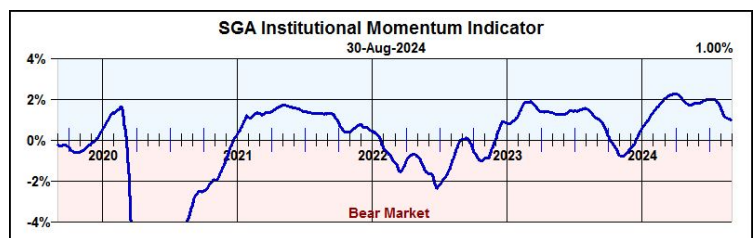
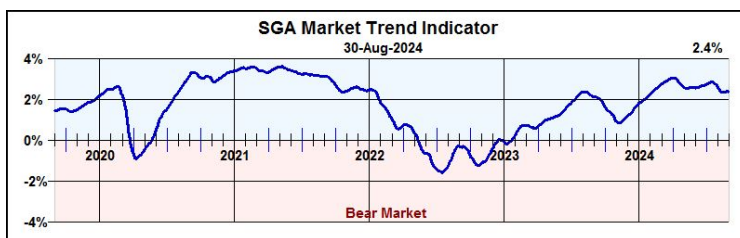


StormGuard incorporates three primary views of the market: Market Trend, Institutional Momentum and Value Sentiment. Twelve separate measures of these three views are logically combined to produce the StormGuard-Armor composite value. Four additional measures of volatility and oversold conditions help 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 strong and stable. NOTE: StormGuard-Armor, like a smoke alarm, is not perfectly clairvoyant but helps improve your long-term batting average."

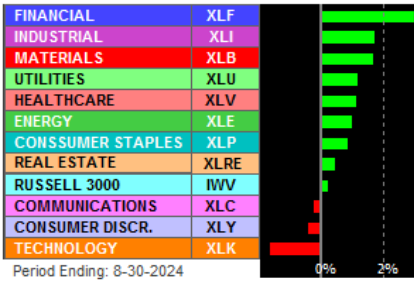
See Legal-Disclaimer page for technical terms, historical data, and service limits information. Performance updated daily.

5 Mkt-Days

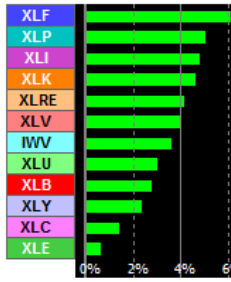
21 Mkt-Days

63 Mkt-Days

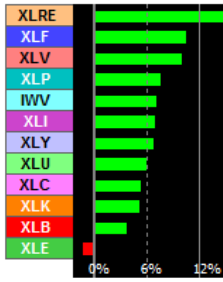
### SECTORS



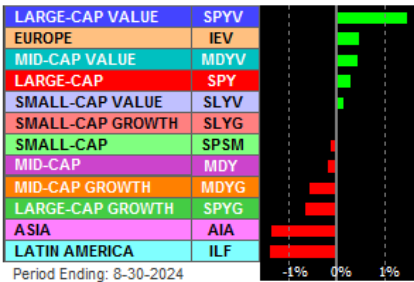
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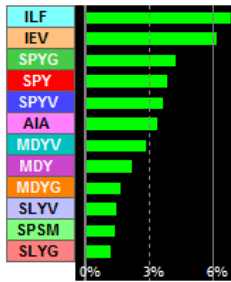
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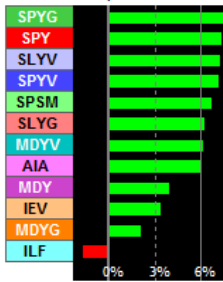
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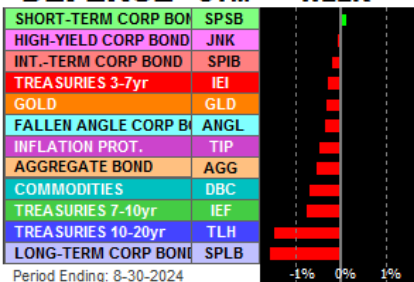
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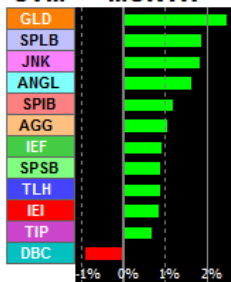
### SYM QUARTER



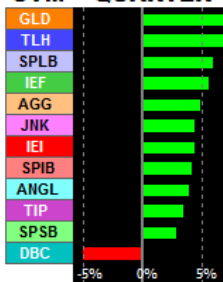
### DEFENSE



### SYM MONTH



### SYM QUARTER



Which Trend Is My Friend?



Why These Aren't Trade Signals

Thematic Dual Defense™ Portfolios				Blended Dual Defense™ Portfolios			
	CAGR	Risk No	MaxDD		CAGR	Risk No	MaxDD
<a href="#">Alpha Bonds</a>	8.5%	25	10.0%	<a href="#">Alpha 20:80 Dual Defense</a>	10.2%	24	9.0%
<a href="#">SNUG Tact. Risk Mitigation</a>	14.3%	29	13.0%	<a href="#">Alpha 40:60 Dual Defense</a>	12.6%	22	10.0%
<a href="#">Alpha Stylebox Dual Defense</a>	16.5%	38	25.0%	<a href="#">Alpha 60:40 Core Dual Defense</a>	13.3%	27	11.0%
<a href="#">Alpha Sectors Dual Defense</a>	22.8%	29	21.0%	<a href="#">Alpha 60:40 Sectors Dual Defense</a>	16.4%	22	12.0%
<a href="#">Alpha Global Dual Defense</a>	19.2%	35	16.0%	<a href="#">Alpha 60:40 Global Dual Defense</a>	12.7%	26	10.0%
<a href="#">Alpha Green Dual Defense</a>	16.0%	45	16.0%	<a href="#">Alpha 60:40 Green Dual Defense</a>	13.1%	26	10.0%
<a href="#">Alpha Innovation Dual Defense</a>	21.8%	50	26.0%	<a href="#">Alpha 60:40 Stocks Dual Defense</a>	26.1%	23	18.0%
<a href="#">Alpha Stocks Dual Defense</a>	35.4%	28	24.0%	<a href="#">Alpha 80:20 Dual Defense</a>	17.5%	25	12.0%

[How to Blend These Models](#)

[Benchmark Construction Page](#)

CAGR-Compound Annual Growth Rate:

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



# Alpha Bonds

## Fixed Income Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1 JNK	25.0	SPDR Blmbg High Yield Bond ETF
2 FALN	25.0	iShares Fallen Angels USD Bond ETF
3 DBP	25.0	Invesco DB Precious Metals ETF
4 TLH	25.0	iShares 10-20 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
<b>Portfolio</b>	<b>25.1</b>	<b>8.4%</b>	<b>10%</b>
<b>Benchmark</b>	<b>29.9</b>	<b>3.1%</b>	<b>18%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

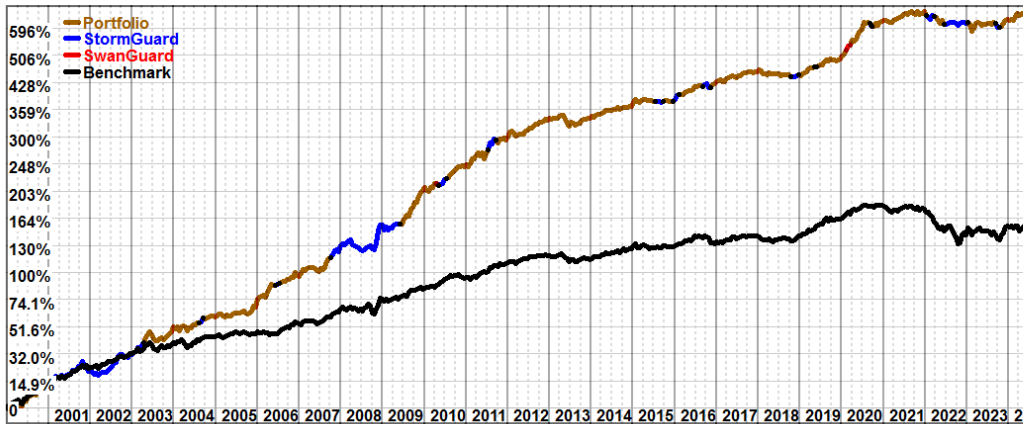
**RISK**  
**25**

Risk Number®

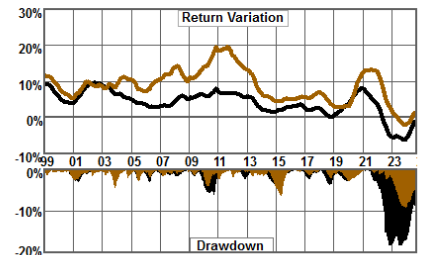
Aug 30, 2024

**CAGR**  
**8.4**

Percent



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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	11.5%	7.9%	6.3%	16.2%	13.7%	13.4%	18.8%	14.3%	13.0%	10.7%	1.0%	6.4%	2.4%	9.0%	6.7%	-1.9%	8.6%	21.5%	4.8%	-5.8%	2.4%
<b>Benchmark</b>	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%	5.7%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	6.3%	8.4%	1.0%	5.6%	5.3%	8.4%
<b>Benchmark</b>	3.2%	7.5%	-2.1%	0.0%	1.6%	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 2024 SumGrowth Strategies, LLC all rights reserved.

Methodology		Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
Investor Risk Profile	Scheduled	Unscheduled			
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.	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: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1	NLR 20.0	VanEck UraniumNuclear Energy ETF
2	SPY 30.0	SPDR S&P 500 ETF
3	BND 20.0	Vanguard Total Bond Market ETF
4	VOO 9.0	Vanguard S&P 500 ETF
5	AGG 6.0	iShares Core US Aggregate Bond ETF
6	GLD 15.0	SPDR Gold ETF

### SNUG Tact. 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,-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
<b>Portfolio</b>	<b>28.8</b>	<b>14.7%</b>	<b>12%</b>
<b>Benchmark</b>	<b>48.7</b>	<b>7.3%</b>	<b>37%</b>

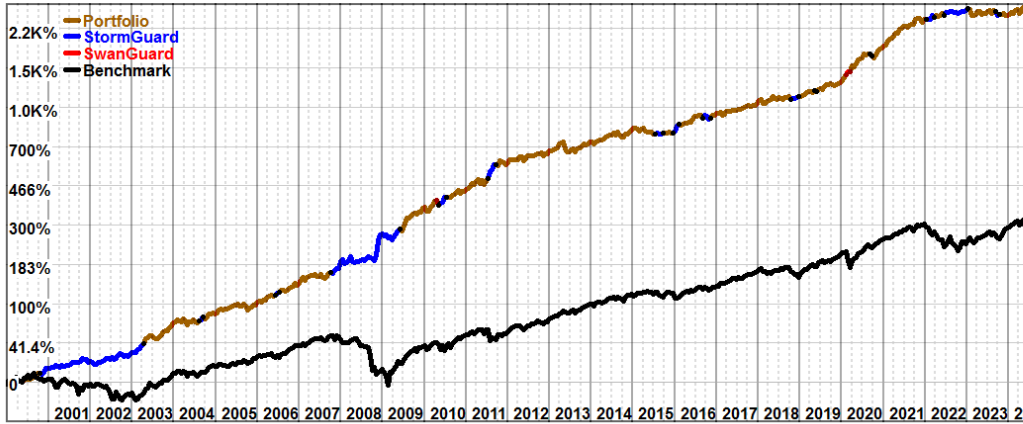
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Aug 30, 2024

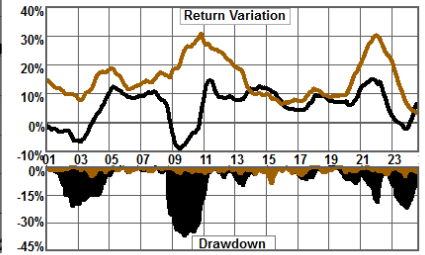
**RISK**  
**29**  
Risk Number®



**CAGR**  
**15**  
Percent



Strategy	Wt.	Strategy	Wt.
SNUG Defensive Alternati	20%	SNUG Bonds-Bonds-Bon	15.0%
SNUG Comdty-Bond-Trery	20%	SNUG REIT-Bonds-Treasu	15.0%
SNUG REIT-Cmdty-Bond	15.0%	SNUG Gold-Bonds-Treas	15.0%



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	28.3%	10.9%	6.6%	20.8%	17.1%	32.4%	25.3%	18.5%	24.4%	10.1%	10.9%	9.9%	-1.5%	16.1%	12.2%	6.0%	12.3%	37.1%	27.8%	7.8%	-3.7%
<b>Benchmark</b>	20.0%	9.3%	5.7%	12.0%	7.6%	-23.4%	19.5%	11.0%	1.7%	11.6%	16.6%	7.6%	1.4%	5.7%	14.7%	-4.1%	21.4%	14.8%	13.5%	-16.1%	16.4%

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 2024 SumGrowth Strategies, LLC all rights reserved.

Methodology		Portfolio Construction		<a href="#">More Charts</a>
<p>The Merlyn.AI SNUG Tactical Risk Mitigation Index employs six underlying strategies that use a rules-based tactical momentum algorithm to evaluate a set of candidate ETFs at each month-end. The trend leader of each become a member of the model's Portfolio for the subsequent month. Candidate ETFs include equity and defensive ETFs.</p>		<p>Selections are made from a universe of over 60 ETFs that include a wide range of bond and Treasury categories, gold, and the S&amp;P 500 index. A simple 60/40 portfolio forms the model's backbone, which is challenged for momentum leadership by the defensive ETFs. It is further defended by an integrated Bear Market Strategy, triggered by StormGuard.</p>		
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 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 Stylebox

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1 MDYV	25.0	SPDR S&P 400 MidCap Value ETF
2 IVW	25.0	iShares S&P 500 Growth ETF
3 VOOG	25.0	Vanguard S&P 500 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,J 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
<b>Portfolio</b>	<b>38.8</b>	<b>17.0%</b>	<b>25%</b>
<b>Benchmark</b>	<b>70.9</b>	<b>10.7%</b>	<b>55%</b>

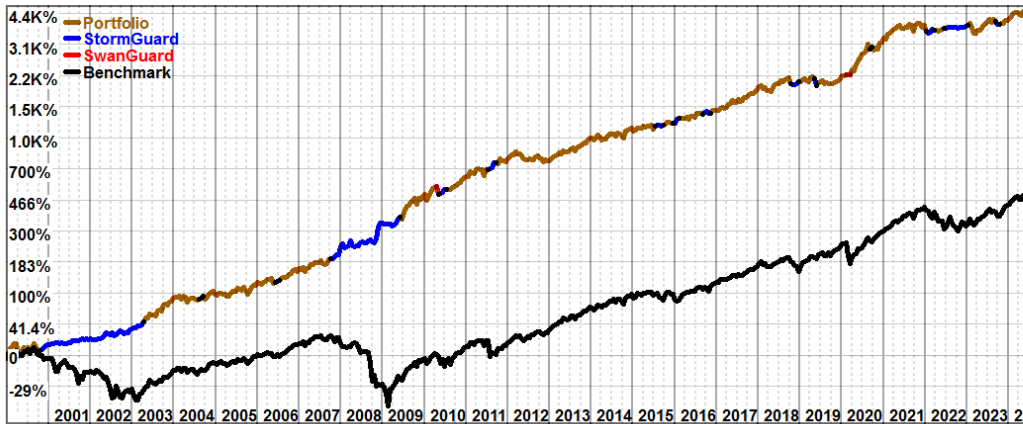
Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

**RISK**  
**39**  
Risk Number®

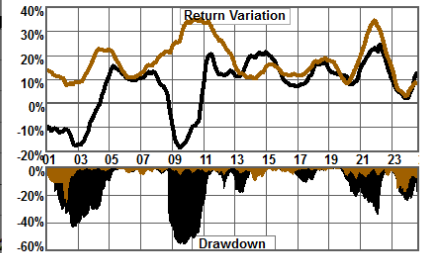


**CAGR**  
**17**  
Percent



### 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%



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	37.6%	9.8%	5.5%	18.5%	23.9%	38.5%	33.7%	23.7%	20.4%	0.1%	29.6%	9.5%	6.8%	14.1%	27.2%	9.4%	4.1%	50.5%	19.4%	-1.1%	8.7%
<b>Benchmark</b>	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%	26.3%

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 2024 SumGrowth Strategies, LLC all rights reserved.

Methodology		Portfolio Construction		<a href="#">More Charts</a>
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 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.

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

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1 XLK	25.0	Technology Select Sector SPDR ETF
2 XHB	25.0	SPDR S&P Homebuilders ETF
3 IYW	50.0	iShares US Technology ETF

### Alpha Sectors DD Portfolio

- ▶ **Portfolio Inception Date:** 12-25-2022 When the portfolio design was completed and available.
- ▶ **Forward Walk Starting:** 06-06-2007 Backtesting ends. Walk through out-of-sample data begins.
- ▶ **Bear Market Strategy:** BMS-W,J,O,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
<b>Portfolio</b>	<b>30.2</b>	<b>25.4%</b>	<b>21%</b>
<b>Benchmark</b>	<b>70.9</b>	<b>10.7%</b>	<b>55%</b>

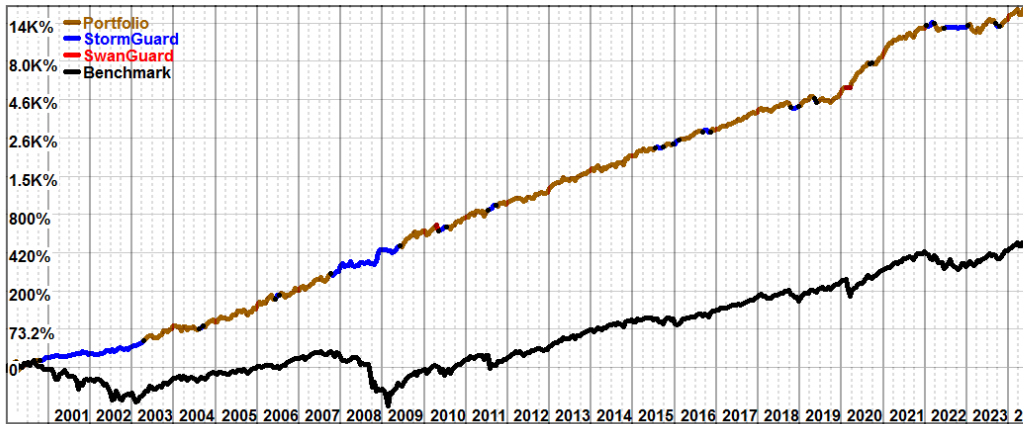
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**RISK**  
**30**  
Risk Number®

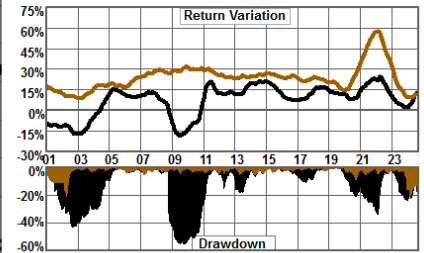
Aug 30, 2024



**CAGR**  
**25**  
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%



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	29.5%	11.5%	17.2%	32.5%	33.0%	34.9%	28.8%	20.7%	22.2%	20.0%	35.1%	22.0%	20.2%	20.7%	30.2%	9.7%	20.3%	69.9%	49.3%	1.9%	12.9%
<b>Benchmark</b>	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%	26.3%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>7.4%</b>	<b>11.5%</b>	<b>10.1%</b>	<b>28.5%</b>	<b>23.9%</b>	<b>25.4%</b>
<b>Benchmark</b>	<b>19.5%</b>	<b>27.0%</b>	<b>9.3%</b>	<b>15.9%</b>	<b>13.0%</b>	<b>10.7%</b>

#### 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 Sector ETF selections are made from a field of 44 sector and sub-sector ETFs from multiple asset managers. The underlying strategies employ a momentum backstop having defensive funds that compete for momentum leadership with the 44 Sector 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: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1	25.0	iShares Global 100 ETF
2	25.0	Invesco QQQ ETF
3	25.0	SPDR S&P Emerging Asia Pacific ETF
4	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
<b>Portfolio</b>	<b>35.7</b>	<b>20.4%</b>	<b>16%</b>
<b>Benchmark</b>	<b>70.9</b>	<b>10.7%</b>	<b>55%</b>

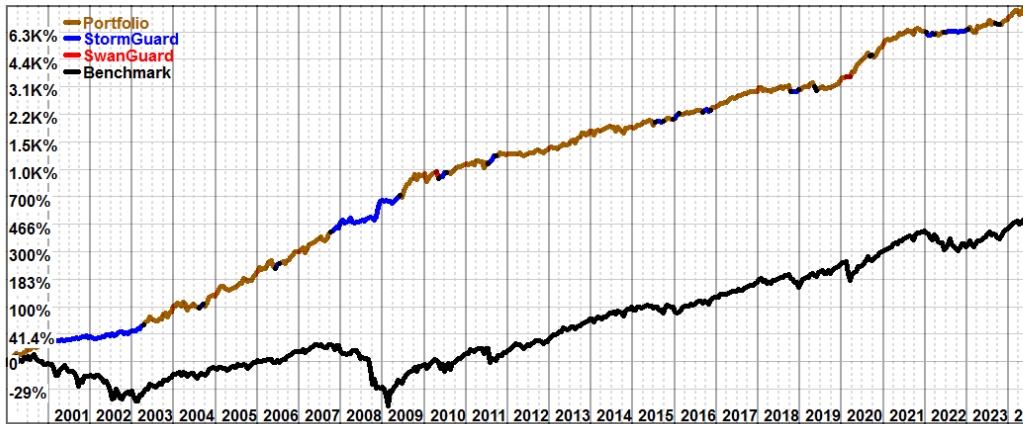
Statistics measured from 6/1/2004 by AlphaDroid.

**RISK**  
**36**  
Risk Number®

Aug 30, 2024

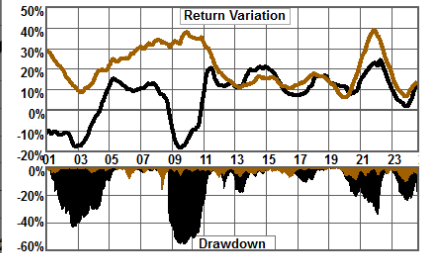


**CAGR**  
**20**  
Percent



### Underlying Strategies

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%



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	30.9%	22.2%	26.1%	36.5%	36.8%	36.8%	37.5%	15.7%	12.9%	7.1%	25.8%	3.9%	11.4%	14.5%	23.9%	1.6%	12.1%	53.7%	20.7%	1.5%	17.0%
<b>Benchmark</b>	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%	26.3%

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 2024 SumGrowth Strategies, LLC all rights reserved.

Methodology		Portfolio Construction		
<p>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.</p>		<p>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.</p>		
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: Sep-03-2024**

**Status: BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1	ESGY	25.0 American Century Sustainable Growth ETF
2	PHO	25.0 Invesco Water Resources ETF
3	FAN	25.0 First Trust Global Wind Energy ETF
4	GRID	25.0 First Trust Nasdaq Cln Edge StGidlfsETF

### 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
<b>Portfolio</b>	<b>45.2</b>	<b>16.0%</b>	<b>16%</b>
<b>Benchmark</b>	<b>71.8</b>	<b>10.4%</b>	<b>55%</b>

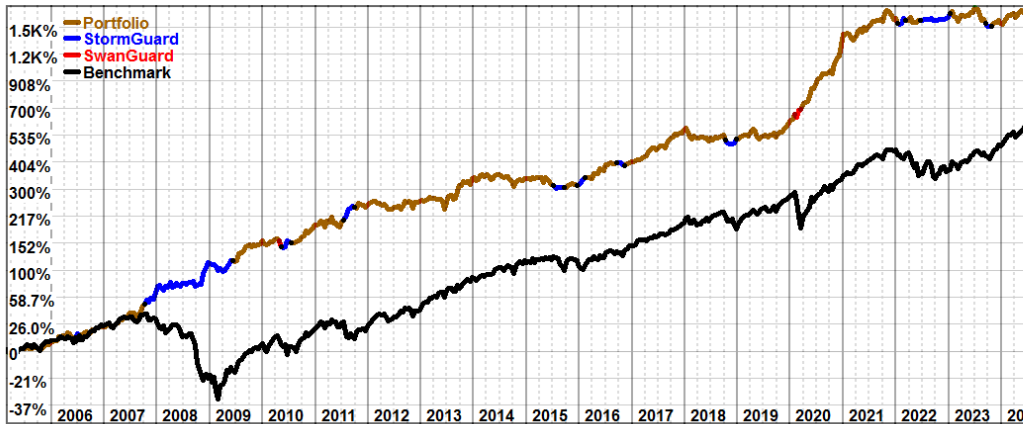
Statistics measured from 6/1/2004 by AlphaDroid.

**RISK**  
**45**  
Risk Number®

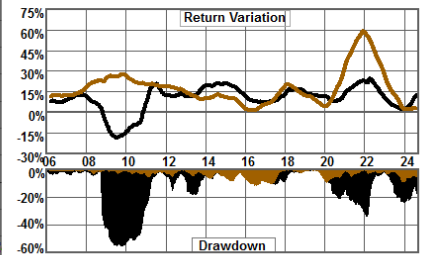
Aug 30, 2024



**CAGR**  
**16**  
Percent



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	2023			
<b>Portfolio</b>	-	-	-	14.8%	32.6%	31.0%	17.9%	16.0%	19.0%	3.1%	22.1%	-0.4%	-5.0%	19.9%	31.0%	-6.2%	15.2%	97.7%	26.1%	-2.1%	-1.8%
<b>Benchmark</b>	-	-	-	15.8%	5.6%	-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%	26.3%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	19-Yr
<b>Portfolio</b>	<b>6.9%</b>	<b>2.2%</b>	<b>2.0%</b>	<b>23.3%</b>	<b>15.0%</b>	<b>16.0%</b>
<b>Benchmark</b>	<b>19.5%</b>	<b>27.0%</b>	<b>9.3%</b>	<b>15.9%</b>	<b>13.0%</b>	<b>10.4%</b>

### 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 Green ETF selections are made from a field of 32 sustainable, clean water, clean energy, and electric vehicle ETFs. The underlying strategies employ a momentum backstop having defensive funds that compete for momentum leadership with the 32 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		
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 Innovation

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name
1 ARKG	25.0	ARK Genomic Revolution Multi-Sector ETF
2 BUYZ	25.0	Franklin Disruptive Commerce ETF
3 IWY	25.0	iShares Russell Top 200 Growth ETF
4 PBE	25.0	Invesco Biotechnology & Genome 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
<b>Portfolio</b>	<b>50.2</b>	<b>22.6%</b>	<b>26%</b>
<b>Benchmark</b>	<b>70.9</b>	<b>10.7%</b>	<b>55%</b>

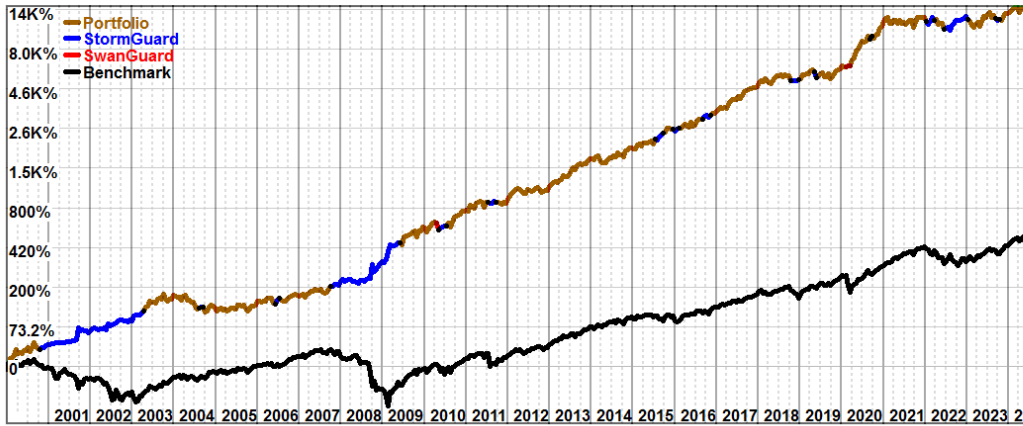
Statistics measured from 6/1/2004 by AlphaDroid.

**RISK**  
**50**  
Risk Number®

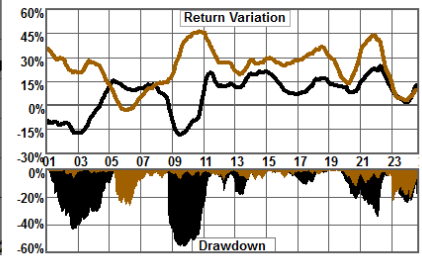
Aug 30, 2024



**CAGR**  
**23**  
Percent



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%



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	35.1%	-10.9%	1.5%	14.1%	17.4%	34.1%	63.0%	24.5%	12.4%	20.1%	55.5%	13.5%	30.6%	23.4%	46.6%	11.8%	16.5%	80.7%	11.1%	2.8%	4.9%
<b>Benchmark</b>	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%	26.3%

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 2024 SumGrowth Strategies, LLC all rights reserved.

Methodology		Portfolio Construction		<a href="#">More Charts</a>
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.

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



# Alpha Stocks

## Dual Defense Portfolio

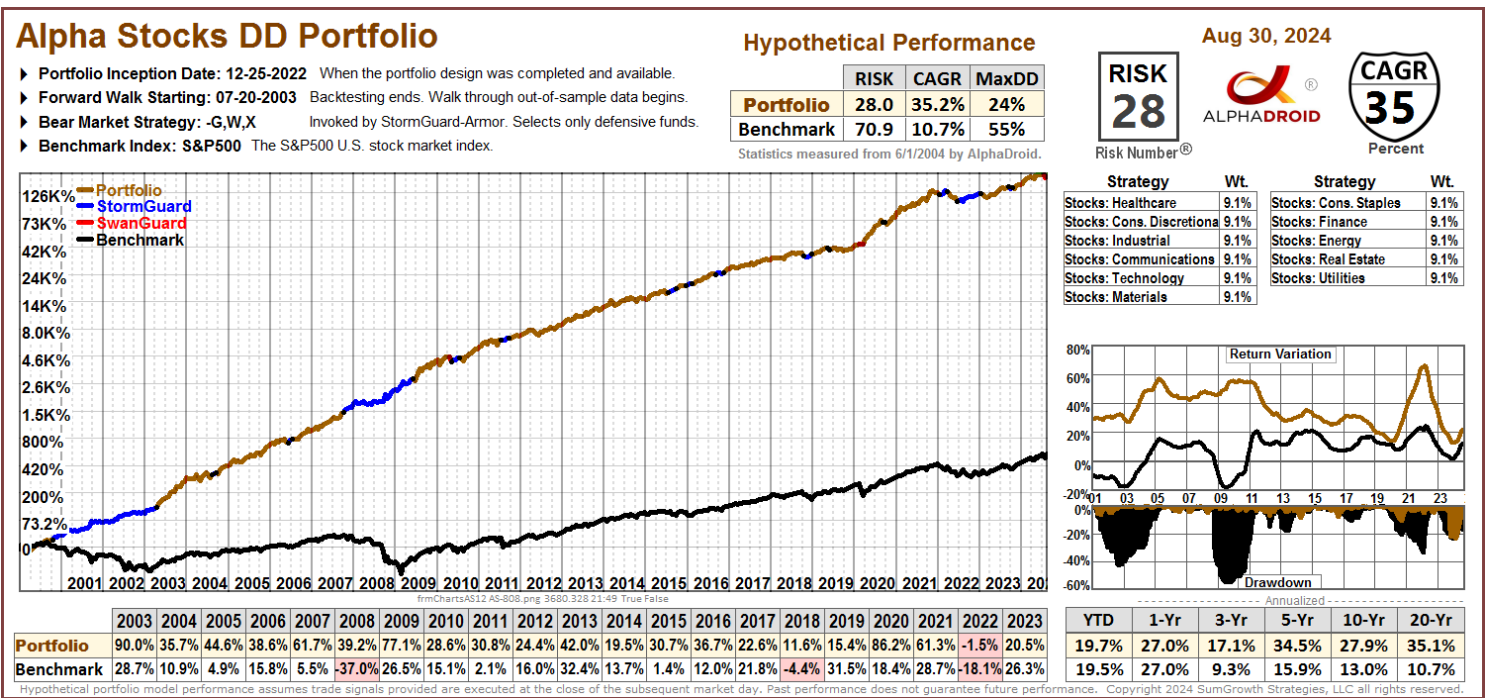
August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name	Sym	%	Fund Name
1	BSX	9.1 Boston Scientific	9	INFY	9.1 Infosys ADR
2	COST	9.1 Costco Wholesale	10	LYB	9.1 LyondellBasell Industries NV
3	AMZN	9.1 Amazon com	11	SCCO	9.1 Southern Copper
4	GS	9.1 Goldman Sachs Group			
5	FDX	9.1 FedEx			
6	SU	9.1 Suncor Energy			
7	CHTR	9.1 Charter Communications Inc A			
8	WELL	9.1 Welltower			



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 stocks 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	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: Sep-03-2024

Status: **BULL Market**

**ALT PICKS**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	20.0	SPDR Blmbg High Yield Bond ETF	9	IVW	2.5	iShares S&P 500 Growth ETF
2	DBP	20.0	Invesco DB Precious Metals ETF	10	VOOG	2.5	Vanguard S&P 500 Growth ETF
3	FALN	17.5	iShares Fallen Angels USD Bond ETF	11	IWY	2.5	iShares Russell Top 200 Growth ETF
4	TLH	17.5	iShares 10-20 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	MDYV	2.5	SPDR S&P 400 MidCap Value 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:** -B,Y,W,A,0,J 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
<b>Portfolio</b>	<b>24.2</b>	<b>10.0%</b>	<b>9%</b>
<b>Benchmark</b>	<b>25.4</b>	<b>4.2%</b>	<b>14%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

**RISK**  
**24**  
Risk Number®

**CAGR**  
**10**  
Percent

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

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	16.9%	8.4%	6.1%	17.1%	16.0%	19.1%	20.0%	15.7%	15.0%	8.9%	4.5%	7.2%	2.6%	10.2%	9.2%	-0.7%	8.4%	25.8%	9.2%	-2.2%	1.8%
<b>Benchmark</b>	8.4%	5.2%	3.7%	7.0%	6.8%	-5.6%	9.3%	6.5%	4.0%	5.6%	4.3%	5.0%	0.7%	3.1%	6.4%	-0.9%	11.2%	8.6%	3.6%	-10.8%	9.1%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>6.3%</b>	<b>6.9%</b>	<b>2.3%</b>	<b>8.0%</b>	<b>6.9%</b>	<b>10.0%</b>
<b>Benchmark</b>	<b>5.9%</b>	<b>10.3%</b>	<b>1.1%</b>	<b>3.4%</b>	<b>3.6%</b>	<b>4.2%</b>

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 20:80 Portfolio is a blended allocation weighted combination of the following portfolios: 75% Alpha Bonds, 15% Alpha Risk Mitigation, and 10% Alpha Stylebox. The Portfolio will never allocate more than 20% of its assets to equities. However, both Dual Defense components employ bonds and commodities that at times reduces equities well under 20%.</p>		
<div style="border: 1px solid black; padding: 2px 10px; background-color: #007bff; color: white; display: inline-block;">More Charts</div>			
Investor Risk Profile	Rebalance Activity	Dual Defense Strategy	About Momentum Trading Expectations
	<div style="width: 45%;">Scheduled</div> <div style="width: 45%;">Unscheduled</div>		
Fixed Income	Month-End	<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: Sep-03-2024

Status: **BULL Market**

**ALT PICKS**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	12.5	SPDR Blmbg High Yield Bond ETF	9	IVW	6.3	iShares S&P 500 Growth ETF
2	DBP	12.5	Invesco DB Precious Metals 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	TLH	12.5	iShares 10-20 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	MDYV	6.3	SPDR S&P 400 MidCap Value 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: -B,Y,W,A,0,J** 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
<b>Portfolio</b>	<b>22.6</b>	<b>12.6%</b>	<b>9%</b>
<b>Benchmark</b>	<b>36.1</b>	<b>5.8%</b>	<b>25%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

**RISK**

**23**

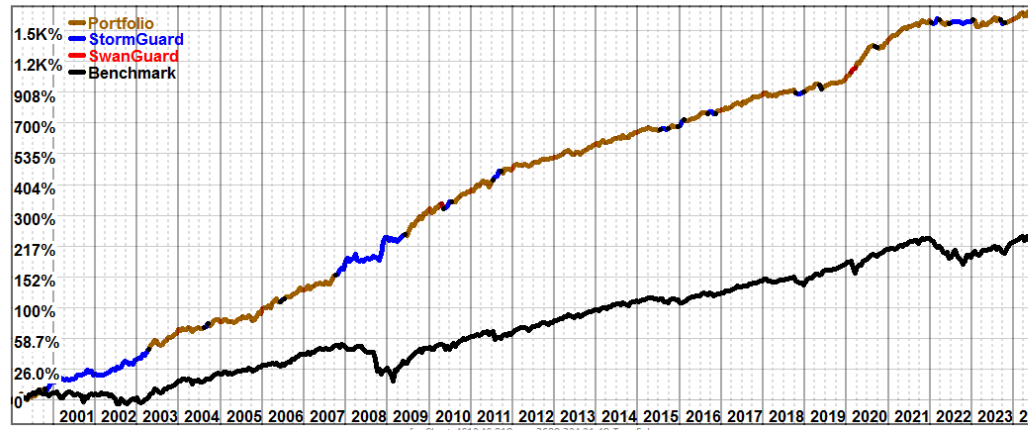
Risk Number®

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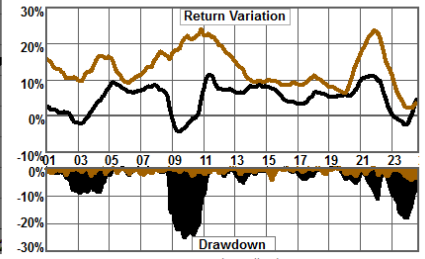
**CAGR**

**13**

Percent



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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	21.9%	9.9%	5.1%	18.7%	19.2%	24.7%	20.9%	17.2%	16.6%	9.0%	11.0%	9.5%	4.3%	12.6%	12.5%	2.7%	10.1%	32.0%	16.7%	-0.5%	2.3%
<b>Benchmark</b>	14.0%	7.2%	4.7%	9.5%	7.2%	-14.8%	14.5%	8.8%	2.9%	8.6%	10.3%	6.3%	1.1%	4.4%	10.5%	-2.5%	16.3%	11.9%	8.5%	-13.4%	12.7%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	6.4%	6.4%	3.5%	11.5%	9.8%	12.6%
<b>Benchmark</b>	8.6%	13.8%	2.4%	6.0%	5.6%	5.8%

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 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%.</p>		
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.



# Alpha 60:40 Core

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

**ALT PICKS**

Sym	%	Fund Name	Sym	%	Fund Name		
1	JNK	8.0	SPDR Blmbg High Yield Bond ETF	9	IVW	12.0	iShares S&P 500 Growth ETF
2	DBP	8.0	Invesco DB Precious Metals ETF	10	VOOG	12.0	Vanguard S&P 500 Growth ETF
3	FALN	8.0	iShares Fallen Angels USD Bond ETF	11	IWY	12.0	iShares Russell Top 200 Growth ETF
4	TLH	8.0	iShares 10-20 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	MDYV	12.0	SPDR S&P 400 MidCap Value 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:** -B,Y,W,A,O,J 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
<b>Portfolio</b>	<b>27.1</b>	<b>13.5%</b>	<b>10%</b>
<b>Benchmark</b>	<b>48.7</b>	<b>7.3%</b>	<b>37%</b>

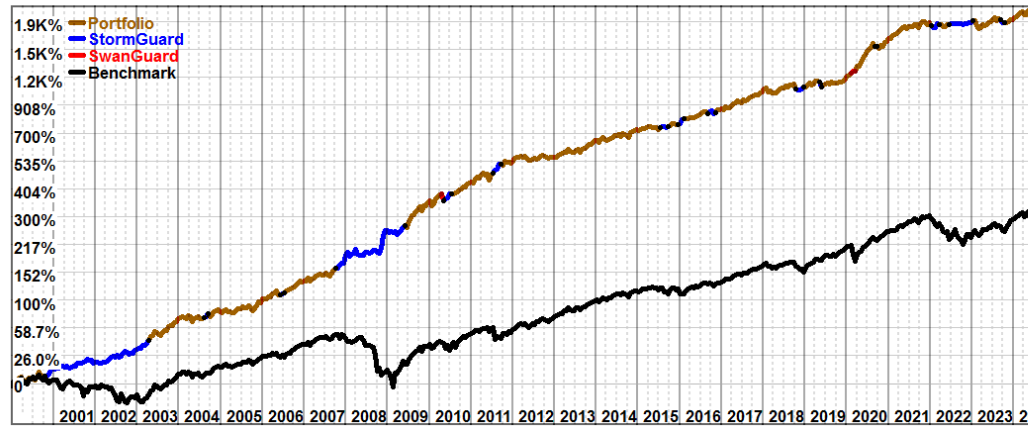
Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

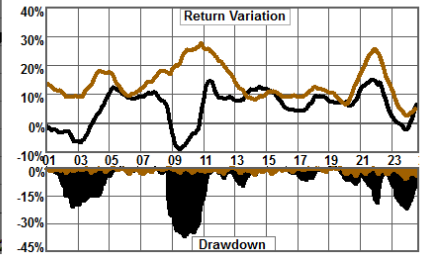
**RISK**  
**27**  
Risk Number®



**CAGR**  
**13**  
Percent



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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	26.6%	9.4%	5.8%	18.4%	19.8%	29.0%	24.9%	18.7%	17.4%	4.4%	15.5%	8.8%	4.7%	12.5%	16.9%	4.1%	7.0%	37.5%	15.7%	0.0%	3.6%
<b>Benchmark</b>	20.0%	9.3%	5.7%	12.0%	7.6%	-23.4%	19.5%	11.0%	1.7%	11.6%	16.6%	7.6%	1.4%	5.7%	14.7%	-4.1%	21.4%	14.8%	13.5%	-16.1%	16.4%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>5.3%</b>	<b>5.4%</b>	<b>3.3%</b>	<b>12.4%</b>	<b>10.5%</b>	<b>13.5%</b>
<b>Benchmark</b>	<b>11.4%</b>	<b>17.2%</b>	<b>3.6%</b>	<b>8.6%</b>	<b>7.5%</b>	<b>7.3%</b>

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 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 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.



# Alpha 60:40 Sectors

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

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	DBP	8.0	Invesco DB Precious Metals ETF	10	IYW	24.0	iShares US Technology ETF
3	FALN	8.0	iShares Fallen Angels USD Bond ETF				
4	TLH	8.0	iShares 10-20 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:** -B,Y,W,A,O,J 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
<b>Portfolio</b>	<b>22.7</b>	<b>17.4%</b>	<b>12%</b>
<b>Benchmark</b>	<b>48.7</b>	<b>7.3%</b>	<b>37%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

**RISK**

**23**

Risk Number®

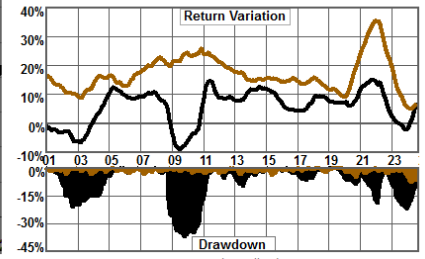
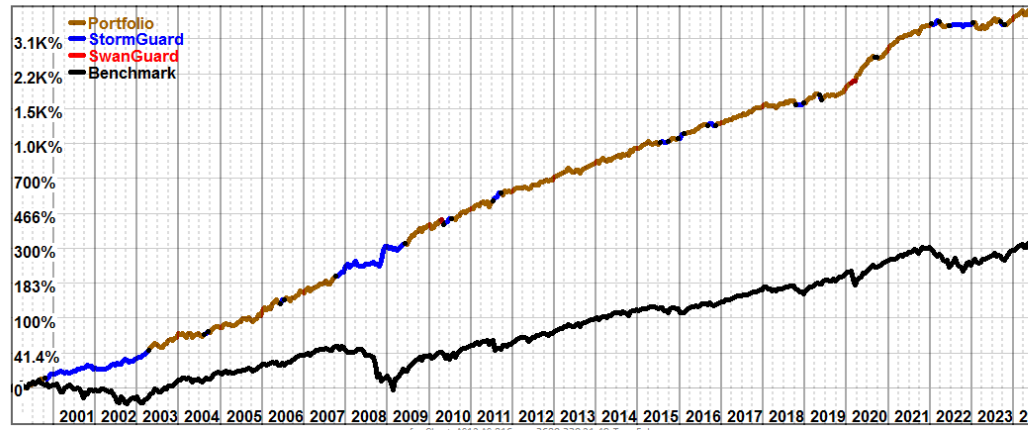
ALPHADROID

**CAGR**

**17**

Percent

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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	23.6%	10.3%	11.7%	25.6%	24.1%	27.4%	22.6%	17.4%	18.2%	13.9%	17.9%	14.6%	10.8%	15.5%	18.2%	4.3%	14.7%	45.7%	28.8%	1.3%	5.7%
<b>Benchmark</b>	20.0%	9.3%	5.7%	12.0%	7.6%	-23.4%	19.5%	11.0%	1.7%	11.6%	16.6%	7.6%	1.4%	5.7%	14.7%	-4.1%	21.4%	14.8%	13.5%	-16.1%	16.4%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>7.4%</b>	<b>9.0%</b>	<b>6.7%</b>	<b>18.1%</b>	<b>15.2%</b>	<b>17.4%</b>
<b>Benchmark</b>	<b>11.4%</b>	<b>17.2%</b>	<b>3.6%</b>	<b>8.6%</b>	<b>7.5%</b>	<b>7.3%</b>

### Methodology

### Portfolio Construction

[More Charts](#)

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 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%.

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 Global

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

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	TLH 15.0	iShares 10-20 Year Treasury Bond ETF	10	QQQ 2.5	Invesco QQQ ETF
3	SPY 15.0	SPDR S&P 500 ETF	11	GMF 5.0	SPDR S&P Emerging Asia Pacific ETF
4	BND 10.0	Vanguard Total Bond Market ETF	12	IXN 5.0	iShares Global Technology ETF
5	MDYV 7.5	SPDR S&P 400 MidCap Value ETF			
6	IWW 7.5	iShares S&P 500 Growth ETF			
7	VOOG 7.5	Vanguard S&P 500 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:** -B,W,A,J,Y Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

### Hypothetical Performance

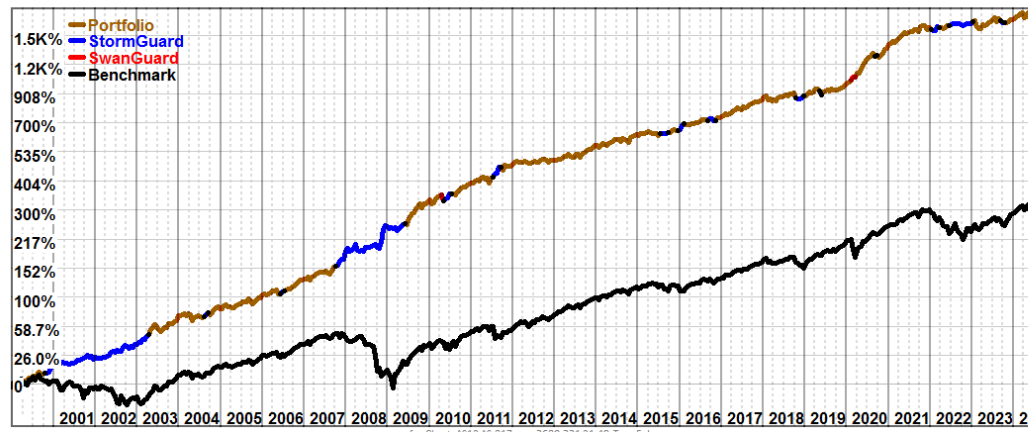
	RISK	CAGR	MaxDD
<b>Portfolio</b>	<b>26.0</b>	<b>12.8%</b>	<b>10%</b>
<b>Benchmark</b>	<b>48.7</b>	<b>7.3%</b>	<b>37%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

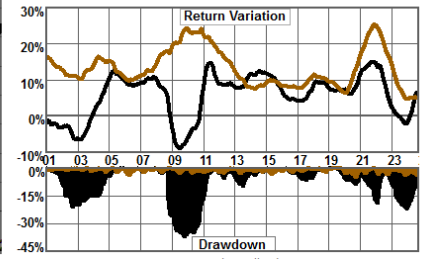
Aug 30, 2024

**RISK**  
26  
 Risk Number®

**CAGR**  
13  
 Percent



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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	20.9%	9.9%	7.5%	14.7%	20.3%	28.4%	20.6%	15.4%	16.1%	3.7%	12.8%	8.3%	3.8%	10.4%	15.9%	2.7%	8.8%	35.2%	16.9%	3.4%	4.2%
<b>Benchmark</b>	20.0%	9.3%	5.7%	12.0%	7.6%	-23.4%	19.5%	11.0%	1.7%	11.6%	16.6%	7.6%	1.4%	5.7%	14.7%	-4.1%	21.4%	14.8%	13.5%	-16.1%	16.4%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>4.1%</b>	<b>4.4%</b>	<b>4.5%</b>	<b>12.8%</b>	<b>10.4%</b>	<b>12.8%</b>
<b>Benchmark</b>	<b>11.4%</b>	<b>17.2%</b>	<b>3.6%</b>	<b>8.6%</b>	<b>7.5%</b>	<b>7.3%</b>

### Methodology

### Portfolio Construction

[More Charts](#)

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 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

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

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	TLH 15.0	iShares 10-20 Year Treasury Bond ETF	10	PHO 2.5	Invesco Water Resources ETF
3	SPY 15.0	SPDR S&P 500 ETF	11	FAN 5.0	First Trust Global Wind Energy ETF
4	BND 10.0	Vanguard Total Bond Market ETF	12	GRID 5.0	First Trust Nasdaq Cln Edge StGidfSETF
5	MDYV 7.5	SPDR S&P 400 MidCap Value ETF			
6	IVW 7.5	iShares S&P 500 Growth ETF			
7	XLK 7.5	Technology Select Sector SPDR ETF			
8	IYW 7.5	iShares US Technology 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:** -B,W,A,J,O,Z 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
<b>Portfolio</b>	<b>26.0</b>	<b>13.3%</b>	<b>10%</b>
<b>Benchmark</b>	<b>48.7</b>	<b>7.3%</b>	<b>37%</b>

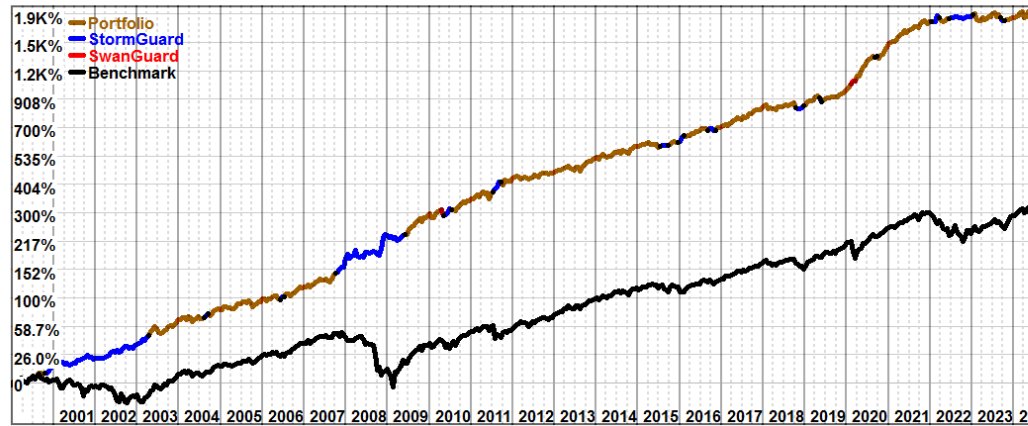
Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

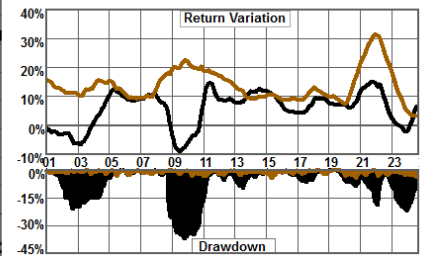
**RISK**  
**26**  
Risk Number®



**CAGR**  
**13**  
Percent



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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	18.7%	11.5%	5.6%	12.2%	21.2%	27.4%	16.0%	14.6%	17.4%	5.5%	13.2%	9.2%	3.9%	12.2%	17.6%	2.1%	12.3%	44.4%	21.4%	4.4%	-0.2%
<b>Benchmark</b>	20.0%	9.3%	5.7%	12.0%	7.6%	-23.4%	19.5%	11.0%	1.7%	11.6%	16.6%	7.6%	1.4%	5.7%	14.7%	-4.1%	21.4%	14.8%	13.5%	-16.1%	16.4%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>6.0%</b>	<b>4.0%</b>	<b>4.7%</b>	<b>15.1%</b>	<b>12.1%</b>	<b>13.3%</b>
<b>Benchmark</b>	<b>11.4%</b>	<b>17.2%</b>	<b>3.6%</b>	<b>8.6%</b>	<b>7.5%</b>	<b>7.3%</b>

Methodology		Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
Investor Risk Profile		Scheduled	Unscheduled		
Moderate	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.

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



# Alpha 60:40 Stocks

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

Sym	%	Fund Name	Sym	%	Fund Name		
1	DBP	20.0	Invesco DB Precious Metals ETF	9	CHTR	5.0	Charter Communications Inc A
2	TLH	20.0	iShares 10-20 Year Treasury Bond ETF	10	WELL	5.0	Welltower
3	BSX	7.5	Boston Scientific	11	INFY	7.5	Infosys ADR
4	COST	5.0	Costco Wholesale	12	SCCO	5.0	Southern Copper
5	AMZN	7.5	Amazon com				
6	GS	5.0	Goldman Sachs Group				
7	FDX	5.0	FedEx				
8	SU	7.5	Suncor Energy				

### 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:** -Y,G,W,X Invoked by StormGuard-Armor. Selects only defensive funds.
- ▶ **Benchmark Index:** B6040 Based on industry consensus asset allocation mix. See portfolio notes.

### Hypothetical Performance

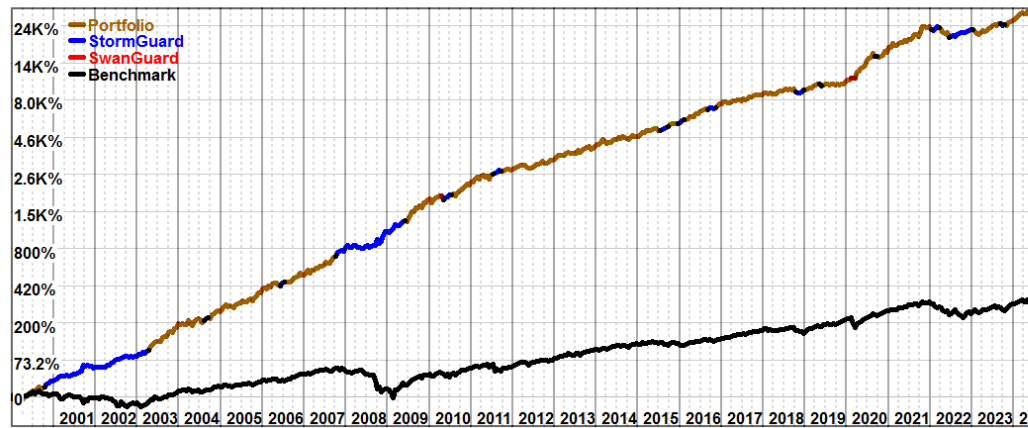
	RISK	CAGR	MaxDD
<b>Portfolio</b>	<b>23.1</b>	<b>25.7%</b>	<b>18%</b>
<b>Benchmark</b>	<b>48.7</b>	<b>7.3%</b>	<b>37%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

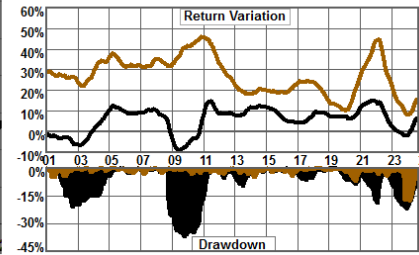
Aug 30, 2024

**RISK**  
23  
 Risk Number®

**CAGR**  
26  
 Percent



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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	53.9%	26.6%	31.4%	29.6%	43.3%	31.3%	58.0%	26.9%	22.6%	16.6%	22.7%	15.6%	22.0%	30.9%	16.2%	7.3%	12.4%	57.7%	42.7%	-2.8%	13.8%
<b>Benchmark</b>	20.0%	9.3%	5.7%	12.0%	7.6%	-23.4%	19.5%	11.0%	1.7%	11.6%	16.6%	7.6%	1.4%	5.7%	14.7%	-4.1%	21.4%	14.8%	13.5%	-16.1%	16.4%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>16.7%</b>	<b>22.0%</b>	<b>13.1%</b>	<b>24.4%</b>	<b>20.6%</b>	<b>25.7%</b>
<b>Benchmark</b>	<b>11.4%</b>	<b>17.2%</b>	<b>3.6%</b>	<b>8.6%</b>	<b>7.5%</b>	<b>7.3%</b>

Methodology		Rebalance Activity		Dual Defense Strategy	About Momentum Trading Expectations
Investor Risk Profile		Scheduled	Unscheduled		
<p>Tactical Momentum Strategies. Each of the 12 underlying strategies uses a rules-based tactical momentum algorithm to evaluate a set of candidate stocks or 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>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>
<p>Portfolio Construction</p> <p>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%.</p>					

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



# Alpha 80:20

## Dual Defense Portfolio

August 30, 2024

Model Rebalanced: Sep-03-2024

Status: **BULL Market**

[ALT PICKS](#)

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	IYW	20.0	iShares US Technology ETF
4	BND	10.0	Vanguard Total Bond Market ETF				
5	IOO	7.5	iShares Global 100 ETF				
6	QQQ	7.5	Invesco QQQ ETF				
7	GMF	7.5	SPDR S&P Emerging Asia Pacific 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:** -B,W,A,Y,J,O 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
<b>Portfolio</b>	<b>25.7</b>	<b>18.8%</b>	<b>11%</b>
<b>Benchmark</b>	<b>62.3</b>	<b>8.5%</b>	<b>47%</b>

Statistics measured from 6/1/2004 by AlphaDroid.

Aug 30, 2024

**RISK**

**26**

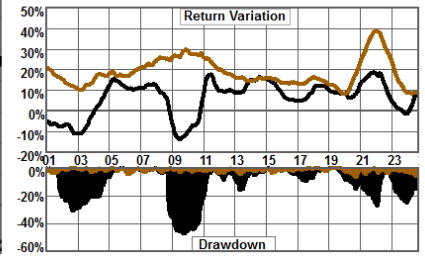
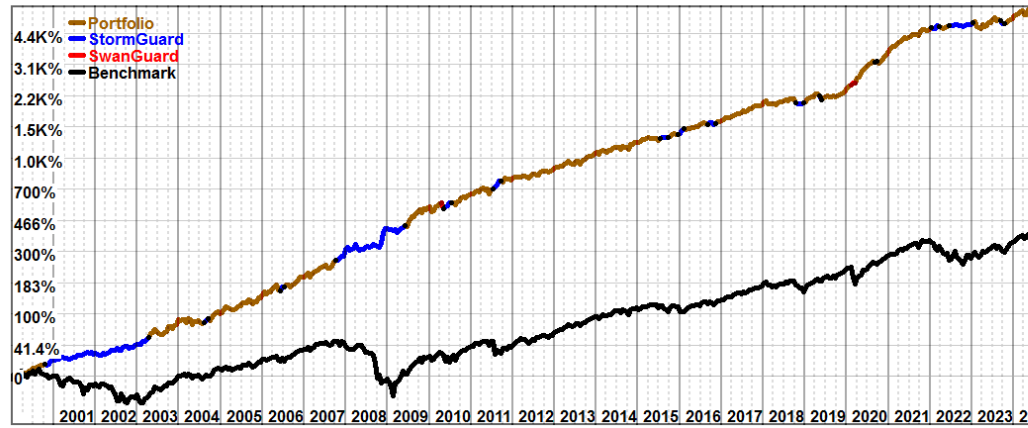
Risk Number®

**CAGR**

**19**

Percent

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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Portfolio</b>	26.3%	13.5%	16.3%	26.6%	28.9%	32.8%	25.5%	16.4%	18.0%	11.3%	20.4%	12.0%	10.0%	14.3%	21.1%	2.9%	13.8%	50.1%	30.2%	6.4%	7.8%
<b>Benchmark</b>	25.9%	11.2%	6.8%	14.7%	7.9%	-31.5%	24.0%	12.6%	0.1%	14.3%	23.3%	8.5%	1.6%	6.8%	18.8%	-5.7%	26.4%	17.0%	18.9%	-18.2%	20.2%

	YTD	1-Yr	3-Yr	5-Yr	10-Yr	20-Yr
<b>Portfolio</b>	<b>6.6%</b>	<b>8.1%</b>	<b>8.5%</b>	<b>20.7%</b>	<b>16.0%</b>	<b>18.8%</b>
<b>Benchmark</b>	<b>14.2%</b>	<b>20.7%</b>	<b>5.1%</b>	<b>11.2%</b>	<b>9.3%</b>	<b>8.5%</b>

### Methodology

### Portfolio Construction

[More Charts](#)

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 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%.

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.



## Essential Videos

### Overview



[The Alpha Sheet Online](#)

### Dual Defense



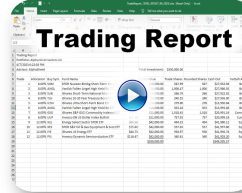
[Dual Defense Online](#)

### Model Blender



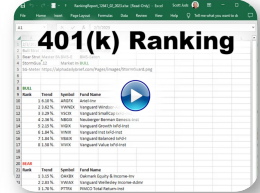
[AlphaDroid Wealth Mgr](#)

### Detailed Buy List



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## Deeper Dives

### Bull or Bear?



[Risk: Alpha Daily Brief](#)

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