

Cambria Tail Risk ETF FAQ

Meb Faber

1. *What is the strategy for the Cambria Tail Risk ETF (TAIL)?*

- a. The TAIL ETF targets a long exposure of approximately 80% to 95% in U.S. Government bonds, typically of approximately 10-year maturity.
- b. The TAIL ETF pairs the bond exposure with a ladder of puts¹ purchased on the S&P 500, which range from 1 to 16 months to expiration.
- c. The strike prices of the puts are typically 5% to 15% out of the money.
- d. The puts are not held to expiration in order to avoid the accelerated time decay that usually occurs during the final few months of an option's life.
- e. We target spending roughly 1% of AUM on puts each month.

2. *How would rising interest rates affect the bond component of the TAIL ETF?*

- a. Government bonds go through their own cycles of rising and falling interest rates.
- b. If interest rates shoot up overnight, then, yes, we would expect to see short term losses in the portfolio.
- c. We expect the effect of rising rates to be more muted if we were to go through a more gradual, prolonged bond bear market.
- d. While rising rates can be a short-term headwind, they are often offset by higher bond income.

¹ Please see the Glossary for this definition and others.

3. How does the TAIL ETF differ from the research white paper you published on tail risk strategies?

- a. While the approaches of the TAIL ETF and the white paper are broadly similar, they are not identical.
- b. The strategy published in the white paper was based off public indexes published by the Chicago Board of Options Exchange (CBOE).

4. You mentioned a put-write strategy in the white paper. Does the TAIL ETF utilize a similar strategy?

- a. The TAIL fund does not include a put-write strategy, as Cambria felt investors would not necessarily want the additional equity exposure that comes with such a strategy.

5. Are there any plans to add the TAIL ETF to any of the Trinity Portfolios?

- a. No. Adding a tail risk strategy to a portfolio is a personal decision that may not be right for everyone; it would be inappropriate to add TAIL to a Trinity Portfolio, in effect, requiring all investors to own it.
- b. Additionally, there are many defensive steps an investor could take (not uniquely a Trinity investor) before allocating to a tail strategy.
- c. Among other risk mitigation strategies, these steps could include reducing the allocation to US stocks, diversifying into non-correlated assets, adding tilts toward value, and adding trend following strategies.
- d. Additionally, the Trinity Portfolios are designed as holistic portfolios, incorporating trend and momentum strategies, which can be reactive to falling markets.

6. So, when might a tail strategy be more appropriate than taking one of the other steps you just described?

- a. Some investors have significant equity allocations that would result in massive capital gains if liquidated. For these people, adding a tail strategy might make more sense.

7. *How does your option-buying change as the volatility levels (and cost of options) increases?*

- a. Our money management position sizing automatically targets a lower notional exposure when volatility is elevated (which often means option premiums are more expensive), and a higher exposure when volatility is low (which often means option premiums are less expensive).

8. *How does TAIL compare to a strategy that would be an inverse of the market? If I believe the market is going to drop, why would I not choose the inverse strategy instead?*

- a. Historically, our simulations have shown to have a better expected return profile versus shorting the market outright.

9. *Does the income generated by the bonds completely pay for the purchased premiums? In other words, is the fund self-sustaining?*

- a. With bonds yielding approximately just under 3% today, we do not expect the strategy to be self-funding or self-sustaining.

10. *Please walk me through the math – what is the expected mathematical relationship between owning \$1 of TAIL and a corresponding 100-point drop in the S&P 500? How much would my \$1 of TAIL increase?*

- a. We, of course, cannot guarantee any outcome, but we can share some broad expectations based on the historical research in the white paper. If the S&P 500 declined, say, 30% in a given time-period, we would broadly expect a similar tail risk strategy to return approximately the opposite, or +30%. However, every market is different, and inputs such as bond returns, volatility, and return sequence can all play a role in total returns; therefore, it is critical to think of this as a rough approximation.

11. Meb's parting thoughts:

- a. Meb personally loves a tail risk strategy, and uses one in his own allocation; but again, he does not feel it's his choice to make this unilateral decision for all investors.
- b. If you do decide a tail risk strategy is right for you, resist the temptation to try to magically time the market with TAIL, or any other fund, for that matter.
- c. Cambria believes that a fund like TAIL could make more sense in the current environment of low volatility and high US equity valuations.

Glossary

1. **Inverse Strategy** – This is a strategy that runs opposite, or contrary, to some other stated strategy. In the context used above, it references a strategy that is an inverse of the S&P 500. This means that an inverse S&P 500 strategy would seek a daily market price percentage movement opposite that of the S&P 500.
2. **Notional Exposure** – Notional exposure is the total value of assets at their current market prices. The assets can be levered or unlevered.
3. **Out of the Money** – This is a term used to describe a call option with a strike price that is higher than the market price of the underlying asset, or a put option with a strike price that is lower than the market price of the underlying asset.
4. **Put** – An option to sell assets at an agreed price on or before a particular date.
5. **Put-Write Strategy** – A strategy where an investor agrees to buy assets at an agreed price on or before a particular date. In exchange, the investor receives an up front premium payment for making this agreement.
6. **S&P 500** – This is an American stock market index based on the market capitalizations of 500 large companies having common stock listed on the NYSE or NASDAQ.
7. **Strike Price** – The price at which a put or call option can be exercised.

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