

# Alpha Vantage Coin (AVC): Empowering Global Financial Market Participants



## **One Coin, Unlimited Financial Market Intelligence**

The financial markets are a complex and opaque system to navigate. Historically, only a small minority of well capitalized investors (e.g. hedge funds, institutional insiders, etc.) have had access to information and tools to outperform the market. The vast majority of investors often find themselves on the losing side of information asymmetry when strategizing their next trade.

At the same time, the power and impact of internet communities has reached a critical inflection point. Entirely new cultural and economic movements have emerged by disrupting financial systems that are stacked against the retail investor and exposing the borderline corrupt foundations of legacy systems.

Alpha Vantage Coin (AVC) is a dual-purpose utility and governance token that seeks to invert the existing model of Web 2.0 based systems and empower *all* financial market participants to access high-quality market intelligence and formulate informed trading strategies.

Unlike legacy systems in which application code is closed-sourced and opaque, AVC's code is open source, transparent, and can be integrated in a permissionless manner within the Ethereum ecosystem. Rather than having user profiles be stored and exploited on a centralized server, user profiles are private/public key pairs owned by the user.

As an Ethereum-based ERC20 token, AVC enables its holders to:

- Participate in and get the most out of the Alpha Tournament, the world's leading open-portfolio competition and home to a vibrant investor community.
- Make high-volume data requests to the Alpha Vantage Market Data API, a major provider of global financial and economic data that has powered trading strategy development for millions of investors, software developers, and machine learning researchers around the world.
- Tap into the knowledge base of the Alpha Academy, an ever-growing repository of educational content in quantitative investing, software development, and blockchain technologies, all delivered by industry experts and thought leaders.

## **Utility & Governance of AVC**

*Utility function #1: high-volume access to the Alpha Vantage APIs*

AVC holders can access the Alpha Vantage APIs for up to 5 data requests per minute with NO daily rate limits (non-AVC holders are capped at 500 requests per day). The Alpha Vantage APIs include over 80 financial and economic datasets that are commonly used by institutional investors for trading strategy development. AVC holders have the full flexibility on how to query the API service - be it through the cloud or from a spreadsheet software such as Microsoft Excel or Google Sheets.

*Utility function #2: advanced data analytics and tools in the Alpha Tournament*

AVC holders have unrestricted access to the portfolio information of previous tournament winners, with data points including ticker names, share counts, and split-adjusted portfolio returns. AVC holders can also enjoy a dedicated group chat experience with current tournament participants for a more focused discussion on specific portfolio decisions.

*Governance function: community-based voting on the project roadmap*

AVC is a community-based project. AVC holders can vote on key product features and roadmap of AVC, Alpha Vantage APIs, and the Alpha Tournament as long as they have a connected wallet with AVC tokens.

### **AVC Economy & Mining**

AVC has a fixed total supply of 1 billion (1,000,000,000) tokens. A monthly supply cap of 1 million (1,000,000) tokens is allocated across the following activities:

*Participation in the Alpha Tournament:*

100,000 monthly AVC supply distributed to the top 1000 ranked tournament participants

*Voting for Alpha Tournament participants:*

Up to 100,000 monthly AVC supply distributed based on the time and accuracy of votes

*Completion of daily challenges in the domains of quantitative investing and blockchain:*

Up to 800,000 monthly AVC supply distributed based on the accuracy of daily challenge responses

In addition, at least 10% of the total AVC supply is reserved for external contributors to the AVC community - including (but not limited to) content creators, community administrators/moderators, open-source software developers, and other voluntary contributors.

Unlike most cryptocurrency mining paradigms, AVC mining does NOT require any computer programming skills or specialized hardware. All that's needed is internet access and a passion for the financial markets. See **Appendix 1** for a detailed walkthrough of the mining process.

## Appendix 1: Mining AVC Tokens

Alpha Vantage Coin (AVC) is an Ethereum-based utility and governance token for the Alpha Vantage Ecosystem, with the vision to empower *all* financial market participants with advanced market intelligence. There are multiple ways to mine AVC tokens, with more mining avenues to be added based on community governance and ecosystem partnerships.

### 1. Complete daily quizzes / challenges (frequency = daily)

AVC can be mined by completing daily challenges that test one's knowledge on investing, computer science, and blockchain concepts. The total supply cap for this mining method is 800,000 AVC tokens per month, distributed on a first-come-first-serve basis.

	Daily AVC mined
<b>3 out of 3 correct</b>	50
<b>2 out of 3 correct</b>	10
<b>1 out of 3 correct</b>	5

### 2. Participate in the monthly Alpha Tournament (frequency = monthly)

AVC can be mined by participating in the monthly Alpha Tournaments. The total supply cap for this mining method is 100,000 AVC tokens per month, distributed to the top 1000 ranked participants based on the following structure.

	Monthly AVC mined per participant
<b>Rank 1</b>	5000
<b>Rank 2</b>	3000
<b>Rank 3</b>	1000
<b>Rank 4 to 50</b>	500
<b>Rank 51 to 100</b>	300
<b>Rank 101 to 250</b>	100
<b>Rank 251 to 1000</b>	50

### 3. Vote for Alpha Tournament participants (frequency = monthly)

Varying amount of AVC can be mined depending on when the tournament vote was cast and the accuracy of the prediction. The total supply cap for this mining method is 100,000 AVC tokens per month, distributed on a first-come-first-serve basis.

	Vote cast more than 7 days before the final ranking date	Vote cast 1 to 6 days before the final ranking date	Vote on/after the final ranking day

<b>The voted candidate becomes Rank 1 finisher</b>	200	50	n/a
<b>The voted candidate becomes Rank 2 finisher</b>	100	30	n/a
<b>The voted candidate becomes Rank 3 finisher</b>	60	20	n/a
<b>The voted candidate is ranked between 4-50</b>	20	5	n/a
<b>The voted candidate is ranked between 51-100</b>	10	2	n/a

