

# White paper : POPcoin Token



## *What is POPcoin ?*

POPcoin is a Blockchain cryptocurrency project based around Dividend rewards for the holders / community.

With POPcoin, we aim to create a community of crypto enthusiasts and like minded investors with the shared aim of seeing the project grow from a simple token towards an entire ecosystem with its own unique set of features.

The POPcoin token is centered around an all new token based rewards mechanism which aims to reward each and every holder through a fair and technically sound implementation.

## *How is POPcoin different from other tokens?*

Ever since the popularity of smart contracts and the ERC-20/Bep-20 token standard, many different mechanisms have been introduced into tokens with some centered around rewards. The most popular of these have been : Token reflections & ETH/BNB rewards.

Each of these mechanisms were innovative for their time. However, they introduced with them, a number of inefficiencies.

Token reflections is a popular mechanism made famous by the SafeMoon token. The mechanism primarily worked through manipulation of the token owned variables in the smart contract code which would be triggered on any kind of transfer activity. While sound in it's implementation, the number of overall function calls for every transaction along with the SafeMath checks ensured that the end user would pay an otherwise higher gas fee. Along with this, no deflationary features were present which in the end did not lead to a significant value increase for the token holders.

The direct ETH/BNB rewards mechanism was made famous by tokens such as Che Coin etc. where a loop based mechanism was used to convert a pool of the tokens to ETH/BNB and disburse the rewards among a list(array) of holder addresses. While technically doable to a certain limit, this method had the obvious trouble of high gas fees as the solidity programming language is gas intensive and iterating through a list of variable length along with token conversion would lead to an out of gas error. A remedy was introduced for this in successor tokens where the loop would count the amount of gas used and then 'break' itself once the transaction ran out of gas. The loop would then restart from the index previously exited upon and try to send the rewards to the remainder of the holder addresses in the list left out from the previous iteration. Overall, an unoptimized and unsafe method of rewards disbursement which in the end would lead to the token becoming inflationary due to the conversion sell offs.

POPcoin introduces a new, never before seen mechanism for holder rewards which not only is optimized for gas but also makes the token deflationary in nature. This method works by implementing a set pool of reward tokens at launch which the user must claim manually through the Dapp. The variable APY is based on the amount of time the token is held for in the claimer wallet and the longer the holding period, the higher the APY. Along with this, each time a reward claim is initiated, a set amount of tokens are burned from the rewards pool. This ensures that the value of the claimed reward increases immediately while making the rewards process a resource limited activity. The goal is for the rewards pool to run out as soon as possible ,hence providing the quickest rewards value in the shortest period of time.

However, the rewards pool running out isn't the end of the rewards cycle. Once the initial rewards pool has finished, a new token rewards mechanism will be initiated for which, holders will be able to stake their POPcoin token for further POPcoin rewards. This mechanism will be similar to the initial rewards pool, with the only

difference being that a certain amount of POPcoin token will need to be staked for redeeming a set APY amount from the second rewards pool.

Having two reward mechanisms in a single token is not something which has ever been done before and will guarantee our token having a longer rewards cycle lifespan than conventional tokens.

### *How long would the rewards cycle for POPcoin last?*

The rewards cycle for POPcoin will last as long as there are tokens redeemable in the rewards pool. There will be an initial rewards pool, where the holders will be able to redeem POPcoin every 24 hours based on the amount they hold. Once this pool runs out, another rewards pool will be setup but with a different strategy in which holders will stake their POPcoin token and redeem a set APY amount every 24 hours.

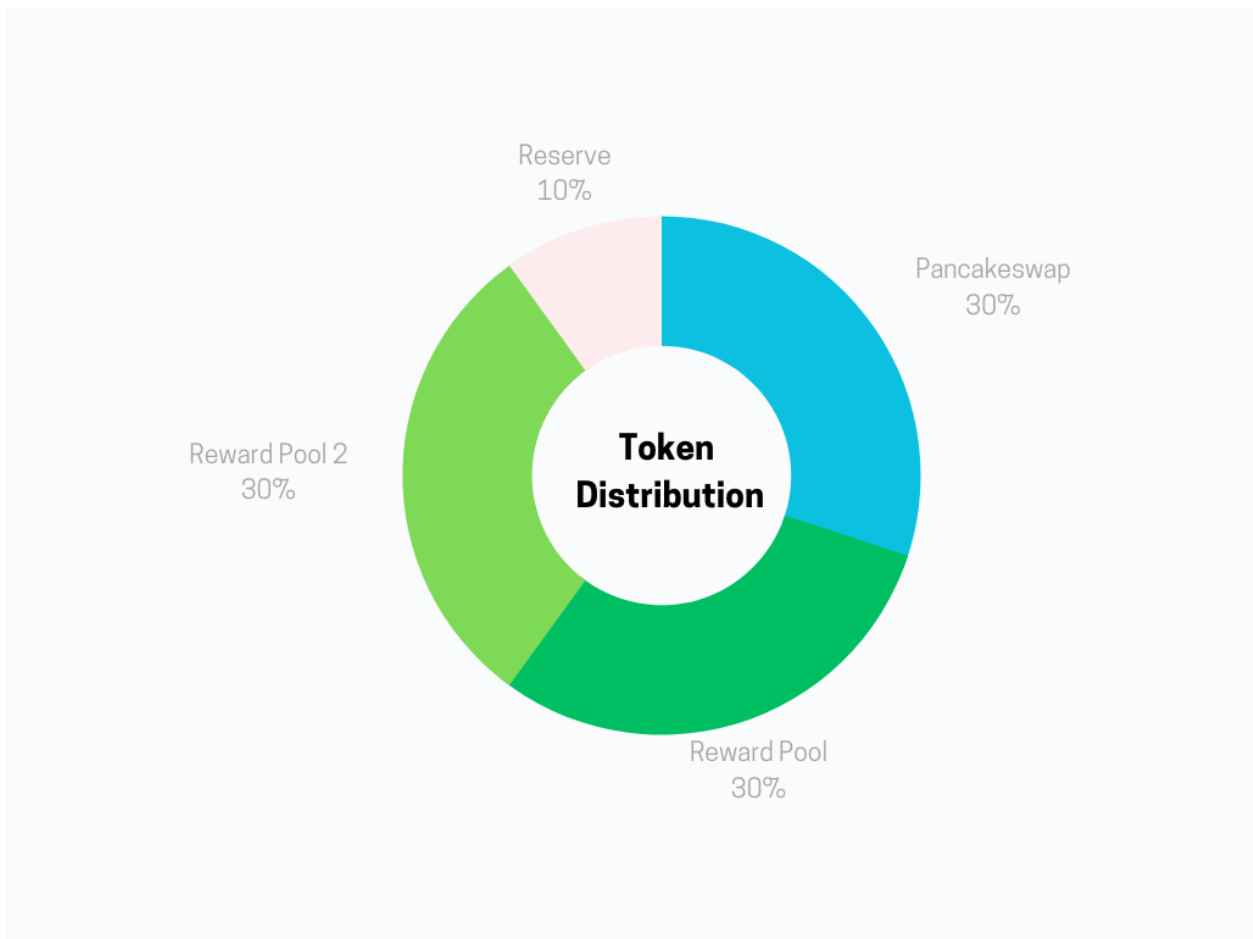
### *Is POPcoin a staking project?*

No POPcoin is not inherently a staking based project. However, a second rewards pool will be setup once the main rewards pool runs out which will be staking based. This second rewards pool is optional and is meant for holders who missed out on the first one. This second rewards pool will be staking based.

## *How will the supply of POPcoin be divided?*

The supply of POPcoin will be divided as such :

- ❖ 30% initial liquidity supply (available for purchase on Pancakeswap)
- ❖ 30% initial rewards pool supply, available for claim in first rewards pool
- ❖ 30% second rewards pool supply
- ❖ 10% kept in token smart contract as reserve



## *What is the variable APY dependent on?*

The variable APY for the rewards claim will be dependent on the amount of time the token is held for in the holder wallet. While it will be possible to claim rewards every 24 hours, the % of the rewards claim will become higher the longer the token is held. This will ensure that the bigger the holding period, the higher the rewards.

## *Is it possible to partake in POPcoin using multiple wallets?*

Yes, each wallet will be treated on it's own stats such as amount held, holding period etc.

## *What kind of security suite does the token implement?*

POPcoin uses various anti whale and anti bot features which ensure that no single wallet is able to buy out the majority of the supply or to sell at a rate which may destabilize the chart. Generally, the number of tokens a wallet can hold, the amount of tokens per transaction and the amount of time between sells are controlled factors which ensure a safe project environment.

## *How will the POPcoin team handle malicious actors, bot accounts?*

The POPcoin team reserves the right to blacklist any wallets which they suspect of unethical behavior or for being bot wallets.

*What are the future aspects of the token once the rewards pool are depleted?*

Once the rewards cycle for both pools of POPcoin is over, the team shall launch POPcoin V2 with its own new marketing drive. Apart from this, new ecosystem utilities shall also be launched relating to web3 gaming, community tools etc.