



Ehash Lightpaper

Ethereum Hashing Power

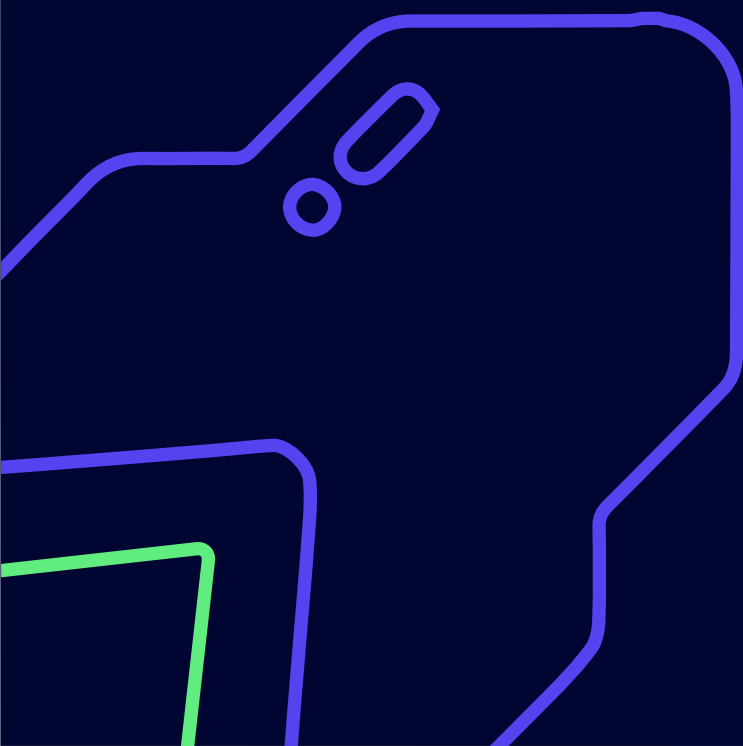


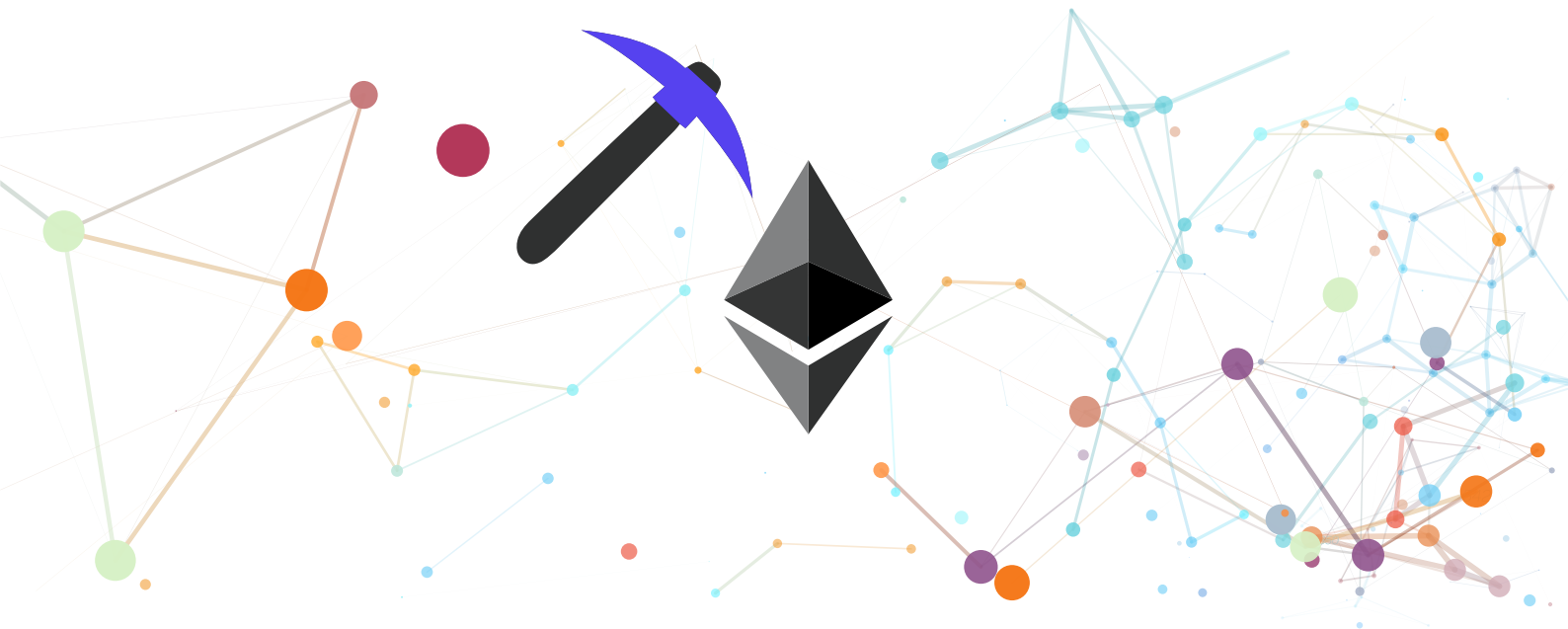
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Introduction

Ethereum Mining is a resilient and robust method for obtaining ETH.

The emergence of EHash has provided the market with a new vehicle to participate in Ethereum mining with ease. ETH mining reward is allocated to EHash holders by smart contract deployed on Ethereum mainnet. EHash holders could enjoy a worry-free mining experience.



Overview

EHash is a token that anchors the Ethereum PoW mining power.

It is issued by a top mining service provider in the mining industry. Each EHash corresponds to 0.01MHash/s Ethereum PoW hashing power.

The initial issuance of 20,000,000 EHash corresponds to 200,000M of Ethereum network hashing power (Ethereum's entire network hashing power is now 390,000G, 1G=1,000M).

Initial Total Supply

20,000,000 EHash

Initial Supporting Hashing Power

200,000 Mhash/s

Mining Pool

F2Pool

Mining Pool Watcher URL

[EHash Hashing Power Watcher Link](#)

EHash provides a worry-free mining solution for EHash holders. EHash holders do not need to pay electricity fees or any other fees. EHash Holders get 80% of ETH

mining reward, and the mining power provider charges 20% mining reward as operation and maintenance fees (electricity cost and maintenance fees all inclusive).

Decentralized network

EHash runs entirely on a decentralized network.

Smart contracts deployed on the Ethereum mainnet **automatically** distributes ETH mining reward to EHash holders **everyday**.

EHash holders could claim their mining reward any time through the smart contract. The traditional crowdfunded mining coin is often issued and distributed by an issuer. There are various suppliers behind the scene as well. Any problem in a single point could lead to an interest damage to coin holders.

Anchor Ethereum PoW mining power

Each EHash token corresponds to the Ethereum network PoW hashing power of 0.01Mh/s, while the traditional crowdfunded mining power coin usually corresponds to a group of ASIC mining machines (essentially the split of the mining machine share).

**As long as the Ethereum PoW network exists,
EHash will never become obsolete,
as the hashing power will never become obsolete.**

However, ASIC mining machines are likely to be phased out and replaced by more advanced machines. In fact, in the Bitcoin crowdfunded mining market, a lot of crowdfunded mining with 90w/T hashing power efficiency ratio are already eliminated.

As the current mainstream Bitcoin ASIC mining machines' hashing power efficiency ratio have been improving to 30w/T, it is foreseeable that ASIC mining machines with greater than 60w/T hashing power efficiency ratio will gradually be eliminated within the next two years.

Therefore, the value of those crowdfunded mining coins supported by these machines will correspondingly fall deep in value.

Non-fixed token supply

EHash has a **non-fixed token supply schedule**.

If the hashing power tethered to Mining Pool is reduced, EHash total supply will be reduced accordingly;

If the hashing power tethered to Mining Pool is increased, EHash total supply will be increased accordingly.

For example, if the mining power provider decides to add additional 100,000M hashing power tethered to the Mining Pool, the Mining Pool hashing power will increase to 300,000M, and the total number of EHash issued will increase to 30,000,000.

All EHash token supply and transaction data are transparent and checkable onchain, and it should correspond to the hashrate lively presented in the mining pool.

No electricity bills

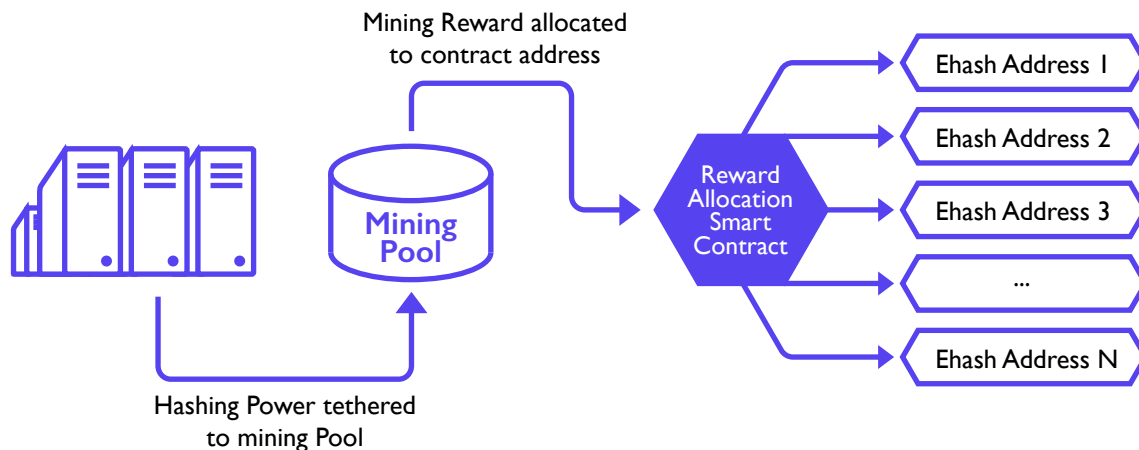
EHash does not charge users' electricity bills, which solves the user's mining cost accounting problem.

The actual mining reward of EHash holder is
real, transparent and verifiable.

In the traditional crowdfunded mining market, the issuer and hashing power provider usually settle the electricity, operation and maintenance fees in the backfield, and then the issuer will distribute the mining revenue to the token holders after deduction of all costs.

There is a lot of ambiguous space in the cost accounting, and the holder of the crowdfunded mining coin is often the party whose interests are damaged.

Mining Reward Distribution



EHash hashing power is tethered to Mining Pool, EHash holders could watch the real-time hashing power through the following URL address:

<https://www.f2pool.com/mining-uer-eth/1b1ae6935a29497f524c106cd6c49b3e>

Mining Pool mining reward is deposited to the reward allocation smart contract deployed on Ethereum mainnet. The smart contract address is:

0x2942E3B38E33123965bfbC21E802bE943a76bbC6

The smart contract receives the ETH mining reward from Mining Pool throughout the day. Everyday, after deducting 20% ETH mining reward, the above contract will take a snapshot of all EHash holding addresses and allocate the remaining ETH reward on a pro rata basis. Therefore, on day i, the mined ETH reward attributed to a certain address equals:

$$\text{ETH_reward_in_day}(i) * 80\% * \text{EHash_snapshot_in_day}(i) / \text{Total_EHash_Supply}$$

If an EHash holder want to claim his/her ETH mining reward, he/she could either interaction with the smart contract or go to ehash.co to claim.

Mining Reward Distribution

The current Ethereum network total hashing power is 390,000,000Mh/s, the daily mining reward per Mh/s is 0.00007668ETH, which is around \$0.11. Therefore, suppose the total network hashing power doesn't change a lot throughout time, the prospective APY calculation method for EHash holders is as following:

$$APY = \text{daily_ETH_reward} / M \times \text{ETH_Price} \times 0.01 \div \text{EHash_Price} \times 365$$

With different EHash and ETH price assumptions, we'll have the following APY sensitivity analysis table:

		Eth Price(in USD)					
EHash Price (in USD)		\$1100	\$1200	\$1300	\$1400	\$1500	\$1600
	\$0.20	168%	182%	196%	210%	224%	238%
	\$0.30	112%	121%	131%	140%	149%	159%
	\$0.40	84%	91%	98%	105%	112%	119%
	\$0.50	67%	73%	78%	84%	90%	95%
	\$0.60	56%	61%	65%	70%	75%	79%
	\$0.70	48%	52%	56%	60%	64%	68%
	\$0.80	42%	45%	49%	52%	56%	59%
	\$0.90	37%	40%	44%	47%	50%	53%
	\$1.00	34%	36%	39%	42%	45%	48%
	\$1.10	31%	33%	36%	38%	41%	43%
	\$1.20	28%	30%	33%	35%	37%	40%



Token Economics

EHash token has the following utilities:

Symbol of ownership of Ethereum hashing power;
Right to own Ethereum mining reward;

Governance token in EHash community;

EHash's long term vision is not only to offer a convenient way to own Ethereum hashing power, but to develop and grow a larger Ethereum mining community.

EHash is the governance token of that community. For example, if you're a credited miner and want to be a part of the EHash network growth, you should own EHash or incentive EHash community to vote for your hashing power to be added to EHash.

Comparison with direct investing in ETH

It's obvious that holding EHash has many advantages over directly buying ETH, especially for those who are using financial leverages.

If ETH price drops 20%, the APY of EHash will subsequently drop ranging from 5% to 40%. However, it's still yielding mining reward for EHash holders. You're not forced to sell your position and could #HOLD till a day that ETH price recovers. During this #HOLD period, you're accumulating ETH mining reward to mitigate your investment principle book loss.

On the contrary, if you're investing directly in ETH, a 20% price draw back might place you in a very disadvantageous position, you can do nothing but wait a long time for ETH price to recover, and you have no other revenues during this period. If ETH price rises up 20%, the APY of EHash will subsequently rise ranging from 5% to 40%.

If EHash price has the same valuation pricing multiple as before, it's obvious that its price will rise much more than 20%, an absolute advantage over ETH. What's more, you're accumulating mining reward from the EHash hashing power.

Comparison with DeFi Mining

DeFi is hot, which is good for ETH mining.

The 24-hour DeFi transaction volume on the Ethereum network has exceeded 4 billion U.S. dollars. The current block reward for each Ethereum block exceeds 4.5 ETH, of which the block production reward is a fixed 2.03 ETH, and the remaining 2.5 ETH is gas fee from Ethereum network transactions, which is basically the gas fee paid by DeFi users for frequent DeFi mining and other token transfer transactions on the Ethereum network.

Blocks Home / Blocks

Total 11910672 blocks First < Page 1 of 476427 > Last 25/page ▾

Height	Time	Miner	Txn	Size	Uncles	Gas Used	Gas Limit	Avg.GasPrice	Reward
11910670	49 secs ago	SparkPool_3	143	38.27 KB	0	12477797(99.97%)	12481619	250.22 Gwei	5.12224 ETH
11910669	50 secs ago	0xd224ca0c819e8e...	166	47.81 KB	0	12466367(99.98%)	12469443	219.68 Gwei	4.73865 ETH
11910668	57 secs ago	2Miners_PPLNS	194	50.71 KB	0	12468038(99.89%)	12481631	190.39 Gwei	4.37373 ETH
11910667	58 secs ago	NanoPool	141	51.07 KB	0	12480204(99.89%)	12493831	226.18 Gwei	4.82276 ETH
11910666	1 min 7 secs ago	Otherpool	331	50.85 KB	0	12474411(99.94%)	12481643	163.44 Gwei	4.03876 ETH
11910665	1 min 10 secs ago	0x1ad91ee08f21be...	182	41.48 KB	0	12448862(99.83%)	12469467	218.29 Gwei	4.71748 ETH

Btw, one could check the block reward at: <https://etherscan.io/blocks>
Therefore, EHash is the bottom-level asset that directly benefits from the DeFi mining boom of the entire Ethereum network.

contact us

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