

# Electrolytic separator energy upgrade Iceland

How much power does an electrolytic separator need?

Since Mechanism 7.1 (Minecraft 1.7.10) the Electrolytic Separator requires 400 joules of power per tick, or 160 FE per tick. Without upgrades, it performs 1 operation per tick. Notably, each speed upgrade doubles the operation speed of this machine, for 256 operations per tick with the maximum of 8 speed upgrades.

Does the electrolytic separator respond to energy upgrades?

Sign up for free to join this conversation on GitHub . Already have an account? Sign in to comment The Electrolytic Separator, when separating Water into Hydrogen and Oxygen gas, does not respond to Energy Upgrades. Other machines do. The Electrolytic Separator is being powered by Advanced Univ...

Should I upgrade an electrolytic separator or a speed+energy upgrade card?

And since an Electrolytic Separator is not that much more expensive than a speed+energy upgrade card, it really doesn't make sense to consume 100x power (operate them at 10% efficiency). Difference in material between upgrading 1 separator vs building 9 more (10x speed either way)

How to prevent infinite energy exploit in electrolytic separator?

To prevent the infinite energy exploit we only need to apply this simple modification when used in Electrolytic Separator  $\text{DefaultUsage} \cdot \text{EnergyMultiplier}^{[(2 \cdot \text{SpeedUpgrades} - \text{MIN}(\text{EnergyUpgrades}, \text{SpeedUpgrades}))/8]}$

What is an electrolytic separator used for?

Typically the first application of the Electrolytic Separator is in the electrolyzing of water into Hydrogen and Oxygen. Both have various uses within other recipes. Higher-tier ore processing requires the creation of Chlorine, which is a product of electrolyzing the sodium chlorides in a Brine solution.

How does an electrolytic separator decompose water?

The Electrolytic Separator (middle) decomposes water, delivered by an Electric Pump on the right, into hydrogen and oxygen. The hydrogen is burned in a Gas-Burning Generator on the left. The Electrolytic Separator is used to separate Heavy Water into Deuterium and Oxygen, Brine into Sodium and Chlorine, and Water into Hydrogen and Oxygen.

The Electrolytic Separator, when separating Water into Hydrogen and Oxygen gas, does not respond to Energy Upgrades. Other machines do. The Electrolytic Separator is being powered by Advanced ...

Stick a full set of Energy Upgrades in the Electrolytic Separator. Supply Water; Burn Hydrogen in a Gas-Burning Generator for 10x the power you put in. A full set of Speed Upgrades will net you nearly 18k J/t. Version (make sure you are on the latest version before reporting):

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"Electrolytic Separator" does accept "Energy Upgrades" but if you put some in the power consumption don't sink. Steps to reproduce: TAGE "Energy Upgrades" in inventory and open "Upgrade"-GUI at "Electrolytic Separator" Put "Energy ...

Version : 1.10.2-9.1.1.290 Repro: put 8 x energy upgrade into the Electrolytic Separator, and watch the energy consumption (I am showing RF, so 160 RF/t with 0x energy upgrade, and 160 RF/t with 8x energy upgrade) I am pretty sure any nu...

Since Mekanism 7.1 (Minecraft 1.7.10) the Electrolytic Separator requires 400 joules of power per tick, or 160 FE per tick. Without upgrades, it performs 1 operation per tick. Notably, each speed upgrade doubles the operation speed ...

Upgrades can be added here, such as the Energy Upgrade to improve energy efficiency. Other possible upgrades include the Speed and Muffling Upgrades. The middle-right button opens the GUI to configure the access rights for the ...

Try getting a bunch of energy upgrades into your electrolytic separator to reduce its energy usage/tick. Make sure you're dumping excess oxygen or using it so it doesn't stop hydrogen production. Potentially add both upgrades to your separator, keeping them 1:1 will directly increase efficiency however it will increase total power and water usage.

If you only need Oxygen, then you can use a Gas-Burning Generator to burn the Hydrogen for a 100% return on power put it (Oxygen is free). This also happens to be why the Electrolytic Separator is the only machine to not get the ...

Issue description When you install energy upgrades into the electrolytic separator it had no effect on its energy consumption, only its power pool. Checked change logs of newer versions, they don't mention a fix for this, and I'm running...

The electrolytic separator from mekanism does not work at all. Problem I'm on velhelsia 2 and did everything right but no oxygen or nitrogen in filling up in the separator, it has power and is hooked up to an electric pump, does anyone know how to fix this bug or am I screwed.

If you only need Oxygen, then you can use a Gas-Burning Generator to burn the Hydrogen for a 100% return on power put it (Oxygen is free). This also happens to be why the Electrolytic Separator is the only machine to not get the efficiency boost from using Energy Upgrades.. If you need Hydrogen, then you actually do need to supply that much power (from any source).

Separators use high amounts of energy, especially when upgraded, to avoid an infinite energy exploit by



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feeding the Hydrogen from water to a Gas-Burning Generator. If you have no better use for the Hydrogen, it's still a good use for ...

I've got the electrolytic separator set up for 3x ore mining (connected to an auto miner via entangleporter). All of a sudden my ore processing started chugging, and tracked it down to this. Every other machine has full energy, but the electrolytic separator and the lack of oxygen is obviously slowing ore down to a crawl.

The described energy generation exploit were only possible when there were more energy upgrade cards than speed upgrade cards, making Hydrogen generation cheaper (in terms of power cost) than power produced burning it.

The other way to achieve 10x speed is to have 10 times as many Electrolytic Separators. And since an Electrolytic Separator is not that much more expensive than a speed+energy upgrade card, it really doesn't make sense to consume 100x power (operate them at 10% efficiency).

Issue description. Perhaps I am doing something wrong, but the addition of Energy Upgrades into the electrolytic separator appears to have no impact on overall energy usage, while speed upgrades have a major effect.

Separators use high amounts of energy, especially when upgraded, to avoid an infinite energy exploit by feeding the Hydrogen from water to a Gas-Burning Generator. If you have no better use for the Hydrogen, it's still a good use for it, but add a buffer tank between the separator and generator for refueling jet packs and flamethrowers.

The Electrolytic Core is a Crafting Component used in the crafting of the Electrolytic Separator and the Gas-Burning Generator. Crafting. Ingredients Crafting recipe Gold Dust + Infused Alloy + Osmium Dust + Iron Dust ... Energy Upgrade; Gas Upgrade; Filter Upgrade; Anchor Upgrade; Factory Installers; Gadgets: Atomic Disassembler; Cardboard Box ...

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Energy Upgrades only increase the energy storage buffer in the Electrolytic Separator. Electrolytic Separators can produce Hydrogen, which can be burned in a Gas-Burning Generator to produce power. This is locked at 100% efficiency.

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Upgrades can be added here, such as the Energy Upgrade to improve energy efficiency. Other possible upgrades include the Speed and Muffling Upgrades. The middle-right button opens the GUI to configure the access rights for the machine. The lower-right button changes the Electrolytic Separator's behavior to Redstone:

Tho, thinking about it, if people wanted to make oxygen energy efficiently, for ore purification, It could be made that an electrolytic separator, with energy upgrades, has the energy reduction bonus, but either makes half the default per energy upgrade of hydrogen, or no hydrogen at all?

The Electrolytic Separator, when separating Water into Hydrogen and Oxygen gas, does not respond to Energy Upgrades. Other machines do. The Electrolytic Separator is being powered by Advanced Universal Cable, if that matters.

I'm making an ore tripler system and I need oxygen for it. so when I'm using the electrolytic separator for some reason the energy upgrades don't work so it ends up using 40,960RF/t which cant be right. does anyone know a workaround or maybe something in the configs?

Issue description the electrolytic separator is not working the energy upgrade, you put all 8 and it doesn't reduce energy consumption in any way, even putting 1 upgrade doesn't decrease anything Steps to reproduce ...

Web: <https://mzanzipestcontrol.co.za>

