

# Philippines electrolytic separator energy upgrade

Does the electrolytic separator respond to energy upgrades?

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How much power does an electrolytic separator need?

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 of this machine, for 256 operations per tick with the maximum of 8 speed upgrades.

Should a gas separator be upgraded?

If not, and you have just speed, that'll do it. Also, depending on which machine they're pumping into, use the "gas" upgrade in that machine. It will upgrade the efficiency. Should use less of said gas that way, so the separator will not have to work as hard. Something's wrong there.

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)

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 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 `DefaultUsage * EnergyMultiplier^(2 * SpeedUpgrades - MIN(EnergyUpgrades, SpeedUpgrades))/8`

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):

Issue description My electrolytic separators, with 8 speed upgrades, use 40.96 kFE/t no matter how many energy upgrades are installed. Steps to reproduce No response Minecraft version 1.16.5 (Latest) Forge version 36.2.30 Mekanism versio...

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The electrolytic separator has a weird power usage using upgrades, for example, a stock separator uses 400j/t and produces the same amount in hydrogen that the gas generator is burning. If all 8 energy upgrades are installed, the energy usage is reduced to 40j/t while the gas production stays the same.

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...

A full set of 8 Energy Upgrades cuts the power cost by 10, so the typical 20 RF/t machines consume 2 RF/t without any speed penalty. This makes recipes consume far less power overall. ... Yes, in the few versions where the Electrolytic Separator could get efficiency buffs, people did instantly abuse it to turn nearly (or literally) free water ...

The energy upgrade upgrade allows you to increase the power storage capacity of a Mechanism machine which has an upgrade slot, ... Electrolytic Separator; Factory; Precision Sawmill; Pressurized Reaction Chamber; Chemical Injection Chamber; Chemical Infuser; Chemical Oxidizer; Chemical Dissolution Chamber;

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.

If this is the case you could either reduce the amount of speed upgrades in the machine, or use an intermediate buffer and setting up a redstone circuit that would detect when the tank is below a certain threshold and activate the separator, up until it gets full, when the circuit would detect the state of the tank and deactivate the separator.

The Electrolytic Separator is being powered by Advanced Universal Cable, if that matters. No upgrades: Energy usage: With upgrades: Energy usage: It appears that, when an upgrade has finished applying, it looks as though it's attempting to adjust the energy usage (quick flickering between numbers) but it goes right back to 400.0 J/t.

Energy upgrades not working on electrolytic Separator. Why? comments sorted by Best Top New Controversial Q& A Add a Comment Glitch-v0 o Additional comment actions. Intentional I believe. ...

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When the Electrolytic Separator was first given the upgrade slot, it followed both of those rules and allowed

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the machine to break the Laws of Thermodynamics (oops). The fairly quick but haphazard response was to make the Electrolytic Separator not receive the efficiency boost. That works, but also generates a lot of false bug reports as it is ...

Power is provided using a Creative Energy Cell from Thermal Expansion. I do not believe there is a power delivery issue. I'm unsure if this issue carries over to other machines (Untested). ... JujuLynx changed the title Electrolytic Separator Speed Upgrade Electrolytic Separator speed upgrade bug Jul 19, 2016. Copy link Member. aidancbrady ...

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 ...

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

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 (form any source).

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