

Tesla Tower

Introduction

The Tesla tower is a machine that is used to wirelessly transmit power to machines. It can transmit up to ZPM voltage. It has a loss of 1 EU/block/ampere while doing so.

Construction

After the main construct has been build, you need to add a Maintenance hatch, an appropriate Energy hatch (TT ones work) and at least one Capacitor hatch. Optional you can add a Parametrizer to mess with the configuration of the Tesla tower. The used Primary Tesla Windings determine the maximum voltage of the Tesla Tower. Having coils one tier higher than the used Capacitors also results in +25% range.

Usage

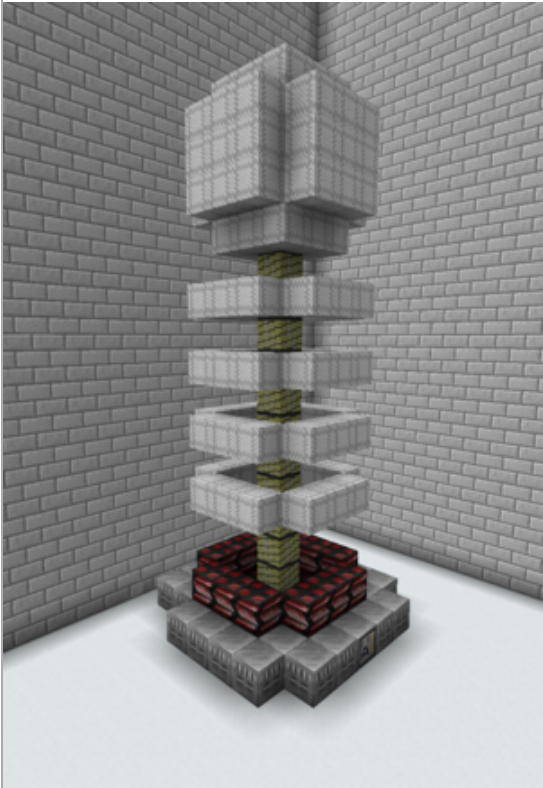
To use the Tesla tower the Capacitor hatch has to be filled with Tesla Capacitors. The Capacitors determine the transmitted voltage and amperes. Per Capacitor the Tesla tower can transmit 1A. The range of the Tesla tower can be set using the Parametrizer. Supplying the Tesla tower with plasma will increase the range. Valid plasmas are:

- Helium (100 L/t) multiplies range by 2
- Nitrogen (50 L/t) multiplies range by 2
- Radon (50 L/t) multiplies range by 4

The Tesla tower will transmit electricity to Tesla transceivers, which can be filled with batteries, or Tesla coil covers, that can be installed on a machine.

Warning! The Tesla tower will output only one tier type of amp such as EV, IV etc. When upgrading the Primary Tesla Windings please make sure to check all of your coil covers and transceivers in the base can handle the upgraded power. Failure to do so will result in a machine explosion.

Tesla tower



Mod	TecTech
Tier	HV
Size	7x7x17
Energy:	
Energy usage	Variable

- Hysteresis low: Specifies the low value of the hysteresis used for power pass
- Hysteresis high: Specifies the high value of the hysteresis used for power pass
- Transfer radius: Specifies the maximum range of the Tesla tower
- Transceiver radius: Specifies the radius in which Tesla transceivers are supplied
- Cover radius: Specifies the radius in which Tesla coil covers are supplied
- Voltage: Output voltage
- Current: Output current
- Scan time: Scan time of the tesla tower
- Overdrive: If enabled the Tesla tower can output double the voltage and consumption will increase by 25%

TecTech - Tec Technology

[\[Collapse\]](#)

Blocks

[\[Collapse\]](#)

Blocks and Casings

[High Power Casing](#) • [Computer Casing](#) • [Computer Heat Vent](#) • [Advanced Computer Casing](#) • [Molecular Casing](#) • [Advanced Molecular Casing](#) • [Containment Field Generator](#) • [Molecular Coil](#) • [Hollow Casing](#) • [Spacetime Altering Casing](#) • [Teleportation Casing](#) • [Dimensional Bridge Generator](#) • [Ultimate Molecular Casing](#) • [Ultimate Advanced Molecular Casing](#) • [Ultimate Containment Gield Generator](#) • [Debug Sides](#) • [Quantum Glass](#) • [Quantum Stuff](#)

Machines

[Reactor Simulator](#) • [Owner Detector](#) • [Data Reader](#) • [Buck Converter](#)

Machines

[Active Transformer](#) • [Network Switch With QoS](#) • [Quantum Computer](#) • [Microwave Grinder](#) • [Data Bank](#) • [Matter Junction](#) • [Matter Quantizer](#) • [Matter Dequantizer](#) • [Essentia Quantizer](#) • [Essentia Dequantizer](#) • [Elemental Scanner](#) • [Research Station](#) • [Matter Collider](#) • [Energy Infuser](#) • [Quantum Processing Machine](#) • [Matter Assembler](#) • [Elemental Stabilizer](#) • [Wormhole](#) • [Decay Generator](#) • [Annihilation Generator](#) • [Black Hole Generator](#)

Multiblocks

[Elemental Input Hatch](#) • [Elemental Output Hatch](#) • [Overflow Output Hatch](#) • [Energy Hatch](#) • [Laser Target Hatch](#) • [Dynamo Hatch](#) • [Laser Source Hatch](#) • [Parametrizer](#) • [Uncertainty Resolver](#) • [Optical Slave Connector](#) • [Optical Master Connector](#) • [Assembly Line Slave Connector](#) • [Data Bank Master Connector](#) • [Computer Rack](#) • [Object Holder](#) • [Capacitor Hatch](#) • [Auto-Taping Maintenance Hatch](#)

Parts

Tesla

[Redstone Alloy Primary Tesla Windings \(Tiered\)](#) • [Tesla Base Casing](#) • [Tesla Toroid Casing](#) • [Tesla Secondary Windings](#) • [Tesla Tower](#) • [Tesla Transceiver](#)

Pipes

[Quantum Tunnel](#) • [Laser Vacuum Pipe](#) • [Optical Fiber Cable](#)

Turrets

[Elemental Matter Turret](#) • [Elemental Turret Base](#)

Misc

[Germanium](#) • [Power Transformer](#) • [AVR Micro-controller](#)

Debugging

[Debug Pollution Generator](#) • [Debug Data Hatch](#) • [Debug Power Generator](#) • [Debug Structure Writer](#)

Items

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Tools

[GT EU Meter](#) • [Tesla Staff](#)

Covers

[Tesla Coil Cover](#) • [Tesla Coil Cover Rich Edition](#) • [Ender Fluid Link Cover](#) • [Power Pass Upgrade Cover](#)

Misc

[Parametrizer Memory Card](#) • [EM Scan Storage](#) • [Tesla Capacitor \(Tiers\)](#) • [Electum Tesla Windings](#) • [Superconductive Tesla Windings](#) • [EM Recipe Hint](#)