

# Generator substation high voltage transmission



## Overview

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Immediately downstream of generators, step-up substations elevate the generator terminal voltage (typically 11-24 kV) to transmission levels (tens to hundreds of kilovolts). Generator step-up transformers (GSUs) and high-side breakers are key substation components.

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### Power Generators

Choosing the Right Generator: The right generator for you depends on your specific needs. Consider the amount of power you need, the type of fuel you prefer to use, and the features that are most

### Homepage , Generac Power Products

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rely on us to deliver what you need. From electric-start and manual options to remote and push-button start styles, you can find a generator that works



### [Understanding the Role of Substations Along the](#)

Transmission substations facilitate bulk power transfer between generators and regional grids, serving both as junctures for power injection and

### **SECTION 9: ELECTRICAL POWER DISTRIBUTION**

Utilities may have some control over and access to the energy stored in electric vehicles attached to the grid.



### [How It Works: Electric Transmission & Distribution and Protective](#)

Substations serve as critical nodes connecting generation, transmission, and distribution networks. While substations are used for several

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distinct system functions, most utilize electric power



## Generators

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