

Microgrid morphological characteristics



Overview

We conduct a morphological analysis for microgrid design options to examine the status quo of academic literature. We identify 18 dimensions with 60 characteristics divided into the five layers governance, business, intelligence, communication, and physical. research of real-world examples at the. Authorized by Section 40101(d) of the Bipartisan Infrastructure Law (BIL), the Grid Resilience State and Tribal Formula Grants program is designed to strengthen and modernize America's power grid against wildfires, extreme weather, and other natural disasters that are exacerbated by the climate. Microgrids integrate distributed energy resources into an energy network reliably and efficiently. However, research of real-world examples at the international level is limited.

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Microgrid Overview

Figure 1 shows one example of a microgrid. Microgrids come in a wide variety of sizes and levels of complexity, but generally the key components include:

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