

ContainerPower Energy Solutions

Integrating Energy Storage into Microgrids



Overview

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Microgrids (MGs) have the capability of working together with the main grid, and as separate entities (i.e., as islands). Therefore, MGs can be deployed to provide electricity in remote areas, thereby facilitating the generation, distribution, and regulation of the power flow to the local.

What Is a Microgrid?

U.S. customers experienced an average of nearly eight hours of power interruptions in 2021, the second-highest outage level since the U.S. Energy Information Administration began collecting electricity reliability data in 2013. (See Figure 1 below). Figure 1. Three recent years.

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