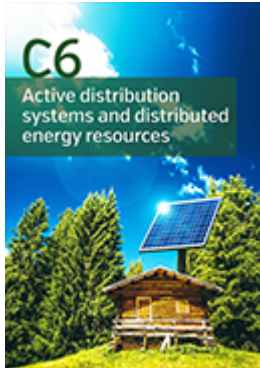


Reference: **826**

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Type:

**Technical Brochures**

Title:

**Hybrid Systems for Off-Grid Power Supply**

Hybrid systems are a combination of various generators, such as conventional generation and renewable energy (RE), and often incorporate energy storage. In off-grid areas, hybrid systems are a promising step in decarbonization. Small amounts of renewables can be added to existing diesel or gas gensets systems without any additional control or network stabilization technologies.

The Technical Brochure shares experiences on techno-economic pre-feasibility studies. Further, the study shows the necessity of stability studies and shares examples for hybrid systems for off-grid power supply. It presents experience from systems that have been successfully in operation for several years. It is a proof of the concept that hybrid systems for off-grid power supply are already state-of-the-art and that high shares of renewable energy resources can be achieved while keeping power quality within the prescribed limits.

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More Informations :**File Size:**11,7 MB **Pages NB:**115 **Study Committee :** C6 **WG (TF):**WG C6.28 **Year:**2021

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