

Among them, the FDI attacks are considered to be the most frequent cyber-attacks in PE-based DC microgrids [13][14][15]. Usually, the hackers are prone to falsify the variables of controllers to ...

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One of the major paradigm shifts that will be predictably observed in the energy mix is related to distribution networks. Until now, this type of electrical grid was characterized by an AC transmission. However, a new ...

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In recent years, due to the wide utilization of direct current (DC) power sources, such as solar photovoltaic (PV), fuel cells, different DC loads, high-level integration of different ...

The schematic illustration of the DC microgrid in office buildings is shown in Fig. 1. All components are linked to the common DC bus through respective converters. A bidirectional ...

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