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Besides, the proposed configuration has several benefits for the design and operation of DC microgrids such as reducing multiple power conversions, reducing number of elements and voltage boosting ...

Keywords Offshore platform · DC microgrid · Fault detection · Short-circuit fault. ... towards his Master" s degree at . Jimei University, Xiamen, China. His current research .

B.S. degree in telecommunications engineering, the M.S. degree in electronics engineering, and the Ph.D. degree in power electronics from the Technical University of Catalonia, Barcelona, in ...

Recent years have seen a surge in interest in DC microgrids as DC loads and DC sources like solar photovoltaic systems, fuel cells, batteries, and other options have become more ...

DC microgrid platform description A PV-fuel cell-battery-based DC microgrid platform is shown in Fig. 1, where main components can be observed. This DC microgrid comprises a PV simulator ...

presents the "Picogrid" - an experimental platform particularly designed for dc prosumer microgrids. It is a low-power, low-cost hardware platform that enables interconnecting multiple ...

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