

designed a set of photovoltaic power generation system suitable for marine vessels, and adopted the Simulink software to simulate it. The research results showed that the proposed system is ...

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shipping, solar energy has been turned out to be a reliable solution in marine energy applications [9]. Solar ship developed by different countries integrates solar photovoltaic(PV) energy into ...

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The three-phase AC output from the inverter is incorporated into the main distribution panel of the ship and a backflow prevention device is installed to avoid energy backflow. The power flow is as follows: solar ...

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