

Who is Xing Zhang?

Xing Zhang (M'13-SM'14) was born in Shanghai, China, in 1963. He received the B.S., M.S., and Ph.D. degrees in electrical engineering and automation from Hefei University of Technology, Hefei, China, in 1984, 1990, and 2003, respectively.

Why should a photovoltaic inverter be automated?

Therefore, it is necessary to develop an automatic test and analysis system to provide the necessary test data and means to support the performance of the photovoltaic inverter. The use of automation technology can effectively save manpower and time, improve the efficiency of test and reduce the error of personnel operation,.,.

What is the inverter control part of HIL platform?

The inverter control part of the HIL platform in this paper selects the 3.125 MVA inverter of a company as the experimental object, and the main circuit parameters are shown in Table 1. The control part is the actual controller of the inverter, and the specific parameters are confidential.

The future requirements of PV inverters on efficiency, power density, reliability, and costs are summarized. The possible benefits and available demonstrations of SiC-based PV inverters are presented.

This paper presents photovoltaic three-phase grid-connected inverter with an inductor-capacitor-inductor (LCL)-filter. For robustness against variation of filter parameters ...

Due to the increasing penetration of distributed generations (DGS) and non-negligible grid impedance, the instability problem of the multi-inverter system operating in current source ...

In large-scale photovoltaic (PV), energy storage, and other renewable power stations, most of them adopt a system architecture with multiple inverters connected in parallel ...



# Photovoltaic Inverter Zhang Xing

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