

Personal Profile



Luffy Luo has been dedicated to researching the application of high-power power electronics technology in power systems for an extended period.

His research encompasses devices such as 10kV solid-state transformers, energy storage/microgrid converters, modular multilevel converters, and charging stations, along with investigations into hybrid AC/DC distribution networks for novel power systems, smart distribution grid systems, and flexible control technologies for distributed source-grid-load systems. He has over 20 publications in both domestic and international journals and patents.

Key Educational Experiences:

September 2010 - July 2013: Master's degree in Control Theory and Control Engineering from Xi'an Jiaotong University.

September 2015 - March 2019: Ph.D. in Electrical Engineering, specializing in Power Electronics and Power System Applications, from Xi'an Jiaotong University.

February 2023 - December 2025: Postdoctoral researcher in a joint training program between Xi'an Jiaotong University and enterprises, focusing on the research of applications and scenarios of modular multilevel power electronics technology in new energy and power systems.