

Power System Reliability Assessment under the Background of Rapid Development of Ubiquitous Power Internet of Things

The lecture is divided into three parts. The first part introduces the reliability assessment of traditional power systems, including the definition of reliability, the classification of reliability assessment, the procedures of reliability assessment, and main influencing factors of power system reliability. The second part introduces the technical characteristics of power systems under the background of rapid development of ubiquitous power internet of things (UPIOT). The third part discusses relevant thoughts on the reliability assessment of power system under the background of rapid development of UPIOT, which involves virtual power plant, cyber-physical attacks and so on.