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ISSN 1009-1831
CN 32-1592/TK

电力需求侧管理

POWER DEMAND SIDE MANAGEMENT

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2021

- ◆ 我国电力需求响应发展成效及“十四五”工作展望
- ◆ 基于主从博弈的虚拟电厂内部购售电价格制定方法
- ◆ 引入保险机制的售电公司交易决策优化
- ◆ 基于时序电压灵敏度的ADN分布式光伏选址及定容评估



主办：英大传媒投资集团南京有限公司 | 国网（江苏）电力需求侧管理指导中心有限公司 2021年11月出版

ISSN 1009-1831



9 771009 183216

万方数据



投稿网站二维码

中国科技核心期刊
全国优秀能源期刊

第23卷

总第134期

（卷终）



2021年 第23卷·第6期·总第134期

□ 本刊专稿

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Competent Authorities Yingda Media Investment Group Co., Ltd.

Sponsor Yingda Media Investment Group Nanjing Co., Ltd.

State Grid (Jiangsu) DSM Instruction Center Co., Ltd.

Editor and Publisher Editorial Board of Power Demand Side Management

Editor in Chief DONG Zhenbin

Publication Number ISSN 1009-1831

Overseas Code 4855BM

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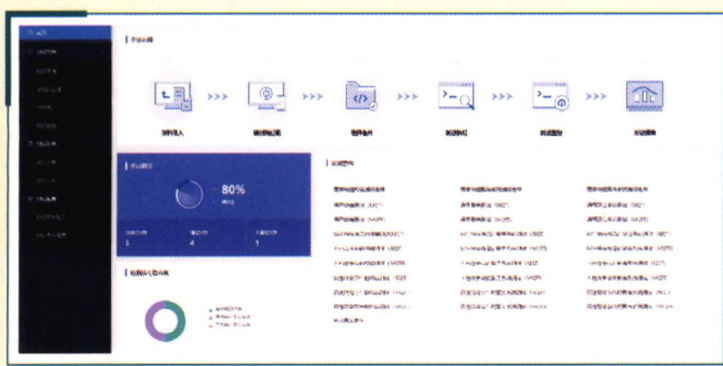
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中国电力科学研究院有限公司
CHINA ELECTRIC POWER RESEARCH INSTITUTE

中国电科院聚焦于深度挖掘应用需求侧响应潜力，构建大规模可调节多元负荷资源池目标。研发了数字化、在线化的可调节负荷资源池聚合分析与容量核证系统，集成了资源全景可视化展示、资源运行监测分析、资源多维度聚合分析、资源互动响应评价管理及资源容量核证分析等功能模块，能够实现可对调节资源的统一化管理、多样化聚合和精准化响应，为设法从需求侧解决双碳目标下电力系统呈现的“双高”“双峰”“又多又少”问题提供了实践方案。



设计了面向多元市场主体、海量资源设备的需求响应信息交换统一模型与测试方法，构建了国内首套需求响应产品检验体系与测试环境，同时支持信息交换、功能一致性测试，形成了完善的需求响应软硬件产品试验检测能力，填补了电力需求响应在功能检测方面的空白。

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◎ 工业需求响应终端



◎ 电力需求响应服务系统



◎ 电力需求响应聚合系统

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