

电力市场

## 区域电力市场交易电量结算模式的实用化研究

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收稿日期 2007-4-25 修回日期 网络版发布日期 2008-1-21 接受日期

摘要

针对目前我国区域电力市场电量交易和电网调度运行的实际情况, 提出了一套适用于我国区域电力市场的竞争性交易电量的实用化结算算法, 该算法以送方电网上网侧交易计划、受方电网落地侧交易计划、竞价单元上网侧交易计划及相应日调度计划累计值和关口计量电量为结算依据, 提出了关口计量电量的分割顺序, 将交易电量结算分为串连式的电网间结算和厂网间结算两部分。最后应用上述算法对南方区域电力市场进行了数字模拟, 结果表明所提出的算法是可行的, 且具有良好的推广前景。

关键词 [电力市场](#); [交易电量](#); [结算模式](#)

分类号 [F407.2](#)

## Practical Research on Settlement Mode of Transacted Electricity Quantity in Regional Electricity Market

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Abstract

According to current actual conditions of electricity quantity transaction in domestic electricity market and power grid dispatching, a practical settlement algorithm of competitive electricity transaction suitable to domestic regional electricity market is proposed. In the proposed algorithm, the transaction scheduling of sending grid and receiving grid, the transaction scheduling of bidding units in sending-out terminal of sending grid and corresponding cumulative value of daily dispatching scheduling as well as the metered electricity quantity at both sending-out terminals and receiving terminals are taken as the foundation of settlement; the division sequence of metered electricity quantity at gateway is proposed, and the settlement of transacted electricity quantity is divided into two cascading parts, i.e., the settlement between grid companies and the settlement among grid companies and power plants. Using the proposed algorithm, the numerical simulation of South China regional electricity market is performed and the results show that the proposed algorithm is feasible and worthy of extension and application.

Key words [electricity market](#); [transacted electricity quantity](#); [settlement mode](#)

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