

Physics & Engineering - Translated

The monitoring terminal-based topology recognition system can perform automatic topology formation, update, and maintenance. It can also accurately draw topology map for low-voltage station areas and calculate hourly line losses in a layered and hierarchical approach. Under such approach, the system can calculate line losses between the main meters and branches, between the branches and meter boxes, between the branches and the household meters, and between the meter boxes and the household meters. This approach enables quick pinpointing of abnormal line losses and lays a solid foundation for an intelligent monitoring system for low-voltage station areas.

Economics - Translated

The total value of imports and exports for China's cross-border ecommerce has been on a growing trend during the past several years. The YoY growth rate stays north of 20% with total value growing from 36.02 billion RMB in 2015 to 1.69 trillion RMB in 2020. Such steady growth has made it an import pillar of China's foreign trade. Structurally exports have made a major contribution compared to imports in cross-border ecommerce though such imbalance has mitigated recently. During the year of 2015, exports contributed 83.3% of total value compared to 16.7% for imports. In 2019, exports dropped to 76.5% compared to 23.5% for imports. While in 2020, exports further dropped to 66% compared to an increase to 34% for imports.