

Transmission Line DC Ice Melting System

This transmission line DC ice melting system is engineered for dependable removal of ice buildup on high-voltage transmission lines. The system uses a direct current method to generate heat within the conductors, effectively melting the ice.



Overview

Advanced Ice Melting Technology

The AVC3000 is a specialized transmission line DC ice melting system designed for the efficient and reliable removal of ice buildup on high-voltage lines. By utilizing a direct current (DC) method, it generates controlled heat within the conductors to melt ice without damaging the transmission infrastructure. This modular solution is built for resilience in harsh weather conditions, ensuring continuous power transmission during severe icing events.

Technical Specifications

Melting Method	Direct Current (DC) conduction heating
Deployment	Modular trailer-mounted units

Safety & Control

Safety Mechanisms	Automatic Shutdown, Comprehensive Monitoring, Overload Protection
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System Components

Core Components

- Power conversion equipment
- Control systems
- Connection interfaces