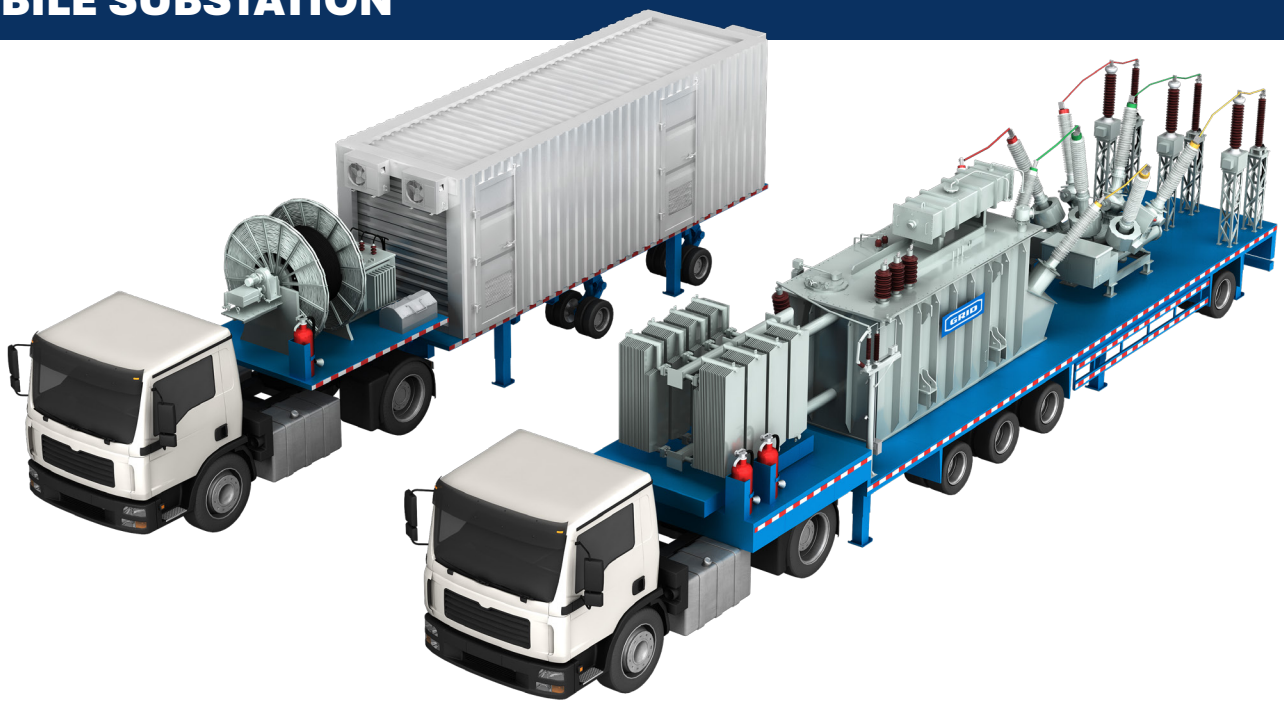
GRID
INFRASTRUCTURE SOLUTIONS

MOBILE SUBSTATION



Overview:

Mobile substations provide trailer-mounted power transformation solutions for rapid deployment in emergency response, planned outages, and temporary capacity applications. Pre-integrated systems with transformers, switchgear, and protection equipment eliminate construction timelines and enable same-day energization.

Features:

- **Rapid Deployment:** Pre-integrated systems arrive ready for connection, enabling same-day energization with minimal site preparation with highway-transportable configurations allow positioning at any accessible location.
- **Modular Architecture:** Expandable platforms accommodate load growth or changing project requirements without infrastructure replacement.
- **Custom Configurations:** Application-specific designs tailored to site conditions, load profiles, and operational requirements.
- **Wide Voltage Range:** Rated for applications up to 245 kV across transmission and distribution networks.
- **Standards Compliance:** Engineered to IEC, ANSI, IEEE, AS, and EN requirements for seamless grid integration.

Lead Time:

Approximately **18-30 months** after drawings approved.

MOBILE SUBSTATION

Performance & Safety Specifications	
Voltage Rating	Up to 245 kV
Capacity Range	Up to 120 MVA
Standards Compliance	IEC, ANSI, IEEE, AS, EN
Configuration	Fully integrated transformer, switchgear, and protection systems
Mobility	Mobility

Applications & Use Cases:

Emergency Response
Immediate restoration of service during equipment failures or storm damage events.

Planned Maintenance
Temporary capacity during scheduled outages for transformer replacement or facility upgrades.

Load Management
Interim solutions for seasonal demand peaks or construction-phase power requirements.

Project Development
Commissioning support for renewable energy installations, data centers, or industrial facilities awaiting permanent infrastructure.

System Expansion
Bridge capacity during substation construction or grid reinforcement projects.

Advantages:

Eliminates Construction Timelines
Avoid permitting delays, site work, and building schedules—systems arrive ready for connection.

Reduces Capital Requirements
No investment in permanent structures for temporary or evolving capacity needs

Ensures Grid Reliability
Maintain service continuity during planned work or unplanned equipment failures

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