

Mobile Substations



Applications of Mobile Substations:

- Emergency response during natural disasters such as earthquakes and floods.
- Supporting mines, drilling industries, and other remote locations.
- Providing electricity until fixed substations are operational.
- Meeting seasonal and industrial town electricity demands.
- Emergency power supply during maintenance and network emergencies.
- Providing power during blackout programs announced by network management.
- Quick connection to solar and wind power plant networks.
- Versatile use as both temporary and permanent power stations.

Advantages of Mobile Substations:

- Reduced construction costs and volume.
- Lower maintenance costs.
- Decreased installation and operational expenses.
- Mobility and transportability.
- Complete assembly with factory tests.
- Rapid connection to the power grid.
- Streamlined installation, testing, and commissioning processes.
- Ability to function as temporary or permanent power stations.
- Versatility in crisis situations.
- Simplified installation, testing, and start-up procedures

Explore the world of mobile substations with Sane Shargh Company, a leading member of the Maham Shargh Group, specializing in the design and manufacture of mobile electrical substations.

Mobile substations are essential components in the electrical industry, providing medium to high voltage solutions. Designed for flexibility, these substations are either fully integrated onto a trailer or across multiple chassis. They encompass all necessary equipment found in main substations, including power and auxiliary transformers, AIS and GIS switchgear, low and medium voltage cables, as well as protection and control.

The key advantage of mobile substations lies in their rapid deployment. With equipment pre-installed onto trailers, production, testing, and commissioning times are significantly reduced compared to fixed substations. Transportation to the required site is easily facilitated using tractors post-factory testing.

Sane Shargh Company has established itself as a premier manufacturer, having designed and produced over 300 varieties of mobile substations.

Key features of mobile substations:

- Transportability: Easily movable to required locations.
- Fast Installation: Rapid deployment reduces downtime.

Applications of mobile substations:

- Temporary or permanent power stations.
- Emergency replacement for fixed substations during maintenance.
- Providing emergency power during natural disasters such as earthquakes and floods