

Prefabricated Substations

Prefabricated
Cabin
Substations

Primary
Equipment
Cabins

Secondary
Equipment
Cabins

Vehicle-mounted
Mobile
Substations

Compact
Substations

Core Products

- Prefabricated Cabin Substations up to 750 kilovolts (kV)
- Primary Equipment Cabins containing high-voltage switching and transformer equipment
- Secondary Equipment Cabins containing control and protection systems
- Mobile Substations for emergencies and temporary capacity
- Compact Substations for sites with limited space
- Digital platform for live remote monitoring

Capabilities

- Site survey and substation design customised to site requirements
- Equipment supply, installation and certification
- Digital platform setup and integration
- System testing and commissioning
- Operation & Maintenance services

A substation is a facility that helps control electricity and adjusts its voltage before it is delivered to end users. Building a traditional substation usually takes months. A prefabricated substation however, is built and fully tested in a factory, then delivered to site ready to connect. This saves time, reduces land use, and minimizes disruption.

Terra Sol provides fully built prefabricated substations up to 750 kilovolts (kV). They can be delivered as factory-assembled cabins or mounted on vehicles for emergencies or temporary use. Solutions include smart monitoring technology and are designed to last up to 60 years. With a modular, factory-built design, on-site construction is kept to a minimum, making installation easier, faster, and more reliable.



Factory Built & Tested Proven Before It Ships	Up to 750 Kilovolts (kV) Highest Prefabricated Rating
60 Years Service Life Built as a Long-Term Asset	Arrives on a Truck For Emergencies and Peak Season
30% Less Land Compact Site Footprint	Digital Platform Smart Monitoring & Management

Compact

Modular

Rapid