

Mobile Substations

Mobile substations provide the capability to quickly restore electrical service following an outage caused by a storm or other disaster. These substations provide temporary new service while permanent facilities are being constructed and replace existing equipment during routine maintenance. Elgin Power Solutions is a custom design/integrator with the unique ability to determine a customer's electrical needs, engineer the system, price it, and integrate the individual components into a functioning system.



Elgin Power Solutions builds size range up to 138kV / 60 MVA systems. Our mobile substations are configured to maximize maneuverability and comply with DOT regulations.

Unitized Substations

Unitized substations are self-contained on a single platform designed to supply and distribute low voltage power from medium voltage lines in modern commercial and industrial systems. Unitized substations are easily and conveniently applied throughout a distribution system at physical locations close to centers of load concentration, and distribution voltage is stepped down to the utilization voltage only at or near the areas of demand. Unitized substations are a perfect fit for solar step up situations.



Perfect for
Solar • Wind • Hydro • Utility • Industrial

Capacitor and Harmonic Filter Banks

Elgin Power Solutions addresses power factor and harmonic issues with a well-staffed engineering and study group. We will analyze our customers' needs and provide a well-engineered system that will satisfy these needs with a package of the highest quality that is unsurpassed in the market.



Mobile Breakers

Elgin Power Solutions can design and manufacture any mobile breaker or switch configuration from simple to the most sophisticated at voltages from 5kV to 138kV.



Shunt Reactors

Shunt reactors provide "Inductive" VARS to compensate for the negative effects of excessive cable capacitance on long underground medium voltage cable runs. They are a perfect fit for Solar & wind underground collection systems, and are also used by utilities for long lightly loaded distribution circuits. Available in single and three phase units from 10 KVAR to 15000 KVAR at 5kV through 35 kV. Elgin Power Solutions also provides current limiting air core and iron core dry type reactors.

