



Case Study

Electric Power Grid Equipment

Client

This engineering company developed a complete line of products and services for the protection, monitoring, control, automation, and metering of electric power systems.

Using ingenuity, creativity, extensive research and development plus an acute attention to customer needs, they have been able to engineer power systems, remote monitoring software, and cybersecurity functionality.

Committed to quality standards, this client is certified to the International Standards Organization (ISO) 9001:2000 Quality Management Systems Standard and international testing standards all backed by their ten year warranty.

Committed to world-class customer care, they provide live technical support to their customers in 126 countries from 42 regional technical service centers in the United States and 30 technical service centers in 14 countries.

Challenge

Our challenge was to deliver a custom power supply for their electric power grid equipment that is used at aggregation points in the national power grid.

They required that our system be hardened for environmental factors and support fault protection downstream for their customers. In addition, we were asked to design a versatile input so the system could work off a number of different sources of electricity.

With their commitment to ISO standards and their ten year warranty to their customers, our job was to deliver a fault tolerant custom power supply with a long lifespan and superior quality components.

Solution

Wall Industries partnered with this client to review their standards and product specifications then tailored a DC to DC power supply that was highly reliable and tolerant to various weather conditions. The custom solution provided versatile inputs within a hardened encasement for thermal and environmental extremes.

Working together with their engineering team, we tailored their new power supplies to snugly fit within their custom enclosure that was mounted at each grid site.

Meeting the demand for quality and reliability and standing behind their ten-year warranty to their customers made us a trusted supplier for this client.