TRYSTAR

LINE CARD

LV/MV POWER DISTRIBUTION

Trystar engineers and manufactures electrical equipment for the demands of heavy industry and critical infrastructure. With precision fabrication, engineering design, and rigorous quality assurance in-house, we deliver electrical solutions that exceed global standards and stand up to the toughest conditions.

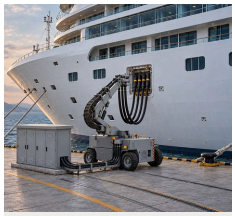




POWER GENERATION & UTILITIES



INDUSTRIAL & RESOURCES



SHORE POWER



AI & DATA INFRASTRUCTURE



RENEWABLE ENERGY



COMMERCIAL & INSTITUTIONAL

CORE SERVICES

We deliver fully integrated electrical solutions from initial design to final commissioning. Our team controls every aspect to ensure quality, safety, and on-schedule delivery. This comprehensive approach powers projects across diverse industries, meeting each sector's unique challenges while ensuring peak performance and reliability.

SOLUTION-BASED MANUFACTURING

- **Expansive Capacity:** 1 million+ sq ft of dedicated manufacturing handles any scale
- **Advanced Tools:** CNC bus bar processing, 6kW laser cutting, and CNC five-axis press brakes
- **Integrated Process:** Engineering, fabrication, assembly by experienced electricians & apprentices, and QA/QC under one roof to compress lead times

15765 Acorn Trail / Faribault, MN 55021 / 507.333.3990

TRYSTAR.com

METAL ENCLOSED - MEDIUM VOLTAGE



FEATURES

- MV distribution for indoor/outdoor industrial applications
- Modular configurations for site-specific layouts
- Robust fault protection for reliable operation
- Durable, weather-rated enclosures with service access

RATINGS/STANDARDS

- Up to 36kV / 4000A, 40kA short-circuit
- Enclosures: Type 1–3R
- Standards: ANSI/IEEE C37.20.3, CSA 22.2 No. 31

METAL CLAD - MEDIUM VOLTAGE



FEATURES

- Industrial-grade MV distribution with GIS option
- Compartmentalized Type 2B arc-resistant design for personal protection
- Modular lineups configurable for mains, ties, and feeders
- Integrated P&C for coordinated fault isolation

RATINGS/STANDARDS

- Up to 36kV / 4000A, 40kA short-circuit
- Enclosures: Type 1–3R
- Standards: ANSI/IEEE C37, CSA 22.2 No. 31; Type 2B

METAL ENCLOSED - LOW VOLTAGE



FEATURES

- LV switchgear and switchboards for harsh environments
- High short-circuit ratings for critical systems
- Environmental ratings for indoor/outdoor use
- Built for reliability, safety, and operational confidence

RATINGS/STANDARDS

- Up to 690V / 6000A, 100kA short-circuit
- Enclosures: Type 1–4X
- Standards: UL 891 / UL 1558, CSA 22.2 No. 244

METAL ENCLOSED - LOW VOLTAGE UPS BYPASS



FEATURES

- Continuous power during maintenance or outages
- Dependable operation for critical backup applications
- High short-circuit protection
- Environmental enclosures for indoor/outdoor service

RATINGS/STANDARDS

- Up to 690V / 4000A, 100kA short-circuit
- Enclosures: Type 1–4X
- Standards: UL 891; CSA 22.2 No. 244

METAL ENCLOSED - LOW VOLTAGE ATS



FEATURES

- Automatic source transfer for critical loads
- Seamless transitions to maintain uptime
- Rugged, environmentally rated enclosures
- Designed and tested to UL and CSA requirements

RATINGS/STANDARDS

- Up to 690V / 6000A, 100kA short-circuit
- Enclosures: Type 1–4X
- Standards: UL 891 / UL 1558; CSA 22.2 No. 244

MOBILE UNIT SUBSTATION SKIDS



FEATURES

- Pre-engineered MV/LV skids integrating switchgear, protection and transformers
- Quick install with minimal site work
- Type 1–3R housings for indoor/outdoor service
- Built to UL, CSA and ANSI standards

RATINGS/STANDARDS

- MV: up to 36kV / 4000A, 40kA
- LV: up to 690V / 6000A, 100kA
- Enclosures: Type 1–3R
- Standards: UL 891 / UL 1558, ANSI/IEEE C37, CSA 22.2 No. 244 / No. 31

GAS INSULATED RMU - MEDIUM VOLTAGE



FEATURES

- Compact gas-insulated design for E-houses and skids
- Modular lineups configurable for RMU and switching
- Sealed stainless-steel tank, no gas top-up for 30 years
- Deadfront with internal arc and arc suppressor options
- IEC 61850 ready for digital substation applications

RATINGS/STANDARDS

- Up to 36kV / 600A, 25kA short-circuit
- Enclosures: Type 1 and 3R
- Standards: IEEE C37.20.9, CSA 22.2 No. 31

DEAD FRONT SWITCHGEAR & TRANSFORMER - MEDIUM VOLTAGE



FEATURES

- Self-contained switchgear and transformer in one outdoor-rated unit
- Fully insulated, submersible dead front primary connections
- Front-access-only layout for alcoves and restricted workspace
- Self-powered digital protection relay with ANSI and IEC curves
- Visual isolation switch with source grounding, key interlocked

RATINGS/STANDARDS

- Up to 25kV / 600A, 12.5kA interrupting
- Capacity: 500kVA to 5000kVA
- Enclosures: Outdoor-rated, tamper-proof (suitable indoors)
- Standards: CSA 22.2 No. 31, CSA C227.4, CSA C2.1, IEEE 386, ANSI C37.71 / C37.72 / C37.6

SOLID DIELECTRIC SWITCHGEAR - MEDIUM VOLTAGE



FEATURES

- No oil and no gas, with proven solid dielectric insulation
- Fully submersible, the same technology as underground cables
- Visible break included
- Self-powered, with SEL or customer-preferred relay options
- Transformer coupling and motorized remote operation

RATINGS/STANDARDS

- Up to 35kV / 630A, 40kA short-circuit
- Installation: Indoor, outdoor pad-mounted, or subsurface vault

TRYSTAR

LET'S CONNECT

LV/MV POWER DISTRIBUTION



KEY CONTACTS

Name
Post Sale Specialist Title
Phone#:
Email:

Quote Specialist Name
Quote Specialist Title
Phone#:
Email:

Post Sales Specialist Name
Post Sale Specialist Title
Phone#:
Email:

Regional Manager Name
Regional Manager Title
Phone#:
Email:

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