

## Metal Clad Switchgear

All welded construction  
 5-35 kV  
 1200 to 3000 amp  
 Custom design  
 Stainless Steel Main Bus Shroud  
 Base undercoating for added protection  
 Heavy duty structural channel base  
 Indoor or outdoor construction, aisle options available



# Manufacturing Capabilities

## Corporate Headquarters

50,000 sq. ft. Climate Controlled  
 8 welding bays



### Fabrication Processes Include:

- 2 Overhead Cranes
- Full 3-stage Paint Booth
- Amada CNC Turret Press (54 stations)
- 12 foot Shear
- 175 ton Press Brake
- Enclosed Loading Dock
- Vertically Integrated Manufacturing
- Supplier Independence



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## Metal Enclosed Switchgear

All welded construction  
 5-35 kV  
 Up to 1200 amp loadbreak  
 Up to 4000 amp non-loadbreak  
 Custom design  
 Base undercoating for added protection  
 Heavy duty structural channel base  
 Indoor or outdoor construction, aisle options available



## New London Facility

40,000 sq. ft. Climate Controlled  
 8 welding bays

### Fabrication Processes Include:

- Laser Cutting
- Plasma Cutting
- Pullmax CNC Turret Punch
- 110 ton x 120" Hydraulic Press
- 18' Overhead Doors
- Enclosed Loading Dock
- Multiple 5 & 10 ton Overhead Cranes



## Capacitor Banks

Power Reliability  
 Power Quality

Live Front and Dead Front  
 Vacuum, oil, or circuit breaking switching  
 5-25 kV Padmounted, 5-35 kV Substation  
 Internally or externally fused capacitors  
 Fixed, multi-stepped, automatically controlled  
 Future bus expansion  
 Isolated control compartments  
 Stainless Steel exterior hardware

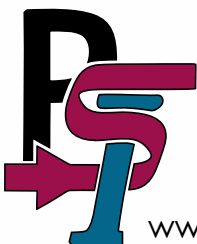


Padmounted  
 5kV-25kV up to 2400 kVAR



Substation Type  
 5kV-35kV 2400 kVAR and up

**Markets Served: Utility, Renewable, Commercial & Industrial**



## Design • Build • Deliver

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**A New Energy in Medium and Low Voltage Electrical Switchgear**

## Padmount Sectionalizing Enclosures



- All welded steel construction
- Top-hinge cover
- Stainless steel penta head bolt with padlock provision
- Stainless steel junction module mounting plate
- With or without junction modules factory installed
- Custom height, width, depth

## Padmount Fusegear



- Live Front or Dead Front
- Single or Three Phase configurations
- 5-35 kV
- 200 or 600 amp
- Current limiting or expulsion fuses
- Horizontal or vertical fuses
- Lifting handles on rear barriers
- Customer-specified grounding provisions
- Steel Construction

## Paralleling Switchgear

- Available at low voltage (480-600V) and medium voltage (5-15kV)
- Start, synchronize, parallel, monitor and protect emergency, standby and prime power systems.
- Experience with multiple OEM brands of engine-generator sets, circuit breakers, programmable logic controllers (PLC's), and protective relays
- Manual and automatic synchronizing and paralleling controls
- Master touchscreen HMI for controlling, metering, monitoring and trending.



## Padmount Cable Switching Gear

- Live Front or Dead Front
- 2, 4, 6, 8, or 10 Compartments
- 5-35 kV
- 200, 600, or 1200 amp
- Air-insulated
- Interactive personnel safety barrier
- Cross kinked roof
- Stainless steel backing screens
- Steel Construction



## Padmount Switchgear

- Live Front or Dead Front
- 2, 4, 6, 8, or 10 Compartments
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- Interactive personnel safety barrier



## Relay Control Panels

- Indoor or outdoor enclosures
- Switchgear relay and control panels, Marshalling cabinets, Generator control panels, Annunciator panels, Interposing relay panels, Synchronizing panels.
- Standard 19-inch relay racks
- Experience with multiple OEM brands of protective relays
- Customized solutions based on your needs

## Padmount Cable Terminating Gear



- Live Front or Dead Front
- 2, 4, 6, 8, or 10 Compartments
- 5-35 kV
- 200, 600, or 1200 amp
- Air-insulated
- Interactive personnel safety barrier
- Cross kinked roof
- Stainless steel backing screens
- Steel Construction

## Padmount Primary Metering

- Live Front or Dead Front
- Single or Three Phase configurations
- 5-35 kV
- 200 or 600 amp
- Indoor or Outdoor instrument transformer
- Partially-hinged roof or fully-removeable roof
- Steel Construction



## Low Voltage Switchgear

- UL 1558 assembly
- Main bus ratings up to 10,000A, breaker ratings up to 5,000A, bus bracing up to 100kA
- Experience with multiple OEM brands of circuit breakers
- Indoor & outdoor construction, aisle options available
- Customized options include: selector switches, CT's/PT's for metering and controls; neutral grounding resistors

