



MERITON SWITCHGEARS PRIVATE LIMITED



MERITON
SWITCHGEARS Pvt Ltd.,



**Industrial Electrical
Panel Boards Manufacturer &
Exporters Of**

**Medium Voltage Switchgear
Panels upto 33kV**



ABOUT US

MERITON SWITCHGEARS PRIVATE LIMITED was formally known as SSS ENGINEERSS and it was established in 2010 and We are basically panel designers and manufacturers of a wide array of low voltage and medium-voltage switchgear panels. We are located in Erode district, Tamilnadu.

We endeavor to ascend constantly on the charts of success and therefore we are particular about the quality of our products and services. Our panel boards includes a seven-tank process to avert all kinds of corrosion.

To get the best powder coating finish, our panel boards are manufactured with precision, designed as per ISI standards, and adhered to international quality standards.

We are initiating regular training sessions for our team to enhance their skills and knowledge. We strive to satisfy our customer by offering them high-performing, lasting, and quality switchgear panels. These panels can be customized as per the requirements of our clients.

✓ Verified & Professionals

We have a team of 25 for planning, execution, production, and testing, and a team of 15+ for site work.

✓ Trusted & Experienced

We have been servicing this business for the last 13 years, serving reputed organizations and governments in the city.

✓ Reliable & Satisfied

Our customers are satisfied with our product and timely delivery. We have never had a single complaint about our work since the inspection of the business.

✓ Clients we run with!

We are traveling with state governments and central government departments like PWD, CPWD, TNHB, TNSCB, and more private organizations.

✓ Mission

We create the best switchgears to give industries worldwide dependable and efficient power. Our aim is to lead globally, offering solutions that benefit and satisfy our customers.

✓ Vision

We aim to be the first and best choice for switchgears, recognized for our quality and innovation. We envision a future where our advanced switchgears help build robust and eco-friendly energy systems worldwide, advancing progress and shaping a strong tomorrow.

🎯 QUALITY CONTROL

We maintain the quality of our goods by subjecting them to stringent quality tests. Our boards are produced by using high quality CRCA sheets from TATA and JSW, which make our panel boards sturdier.

We take up routine testing of our products and at the time of delivery, we issue our products with routine test certificates.

We take up several quality tests to ensure quality, which includes :

- Gauge test for heat and thickness of our panels.
- Electrical tests for power supply and manual quality tests.
- We design the panels based on TYPE-2 Coordinations.





We have ISO certification, and we manufacture our products as per the CPRI standards.

Our boards remain the reliable quality components that are used in all parts of the country.

🎯 SALIENT FEATURES

- The Design was tested at CPRI for short circuits and temperature rises as per IS standards.
- Worked with Architect CR Naryana Rao on TNHB Project.
- The 4000A panels successfully type tested at CPRI for short circuits and temperature rises as per IS standards
- CNC-fabricated, fully bolted, standardised designs.
- Computer-Aided Design (CAD) Systems.
- Panel enclosure degree of protection IP30, IP 43, IP 54 & IP 65.
- Anti-corrosion treatment and the Sand Blasting Process.
- Automatic Spray Conveyorized Pre-Treatment Plant with a 7-Tank Process
- Painting in dust and vermin-proof paint booths and ovens
- Non hygroscopic SMC bus bar supports the best mechanical and electrical strengths for fault current with a stand
- Bus bars and interlinks are insulated with heat-shrinkable PVC / HT sleeves.
- Provision for future expansion for both sides.
- All live parts are shrouded in polycarbonate sheets.
- Customer choice of protection, metering, and controlling, including the SCADA interface system.
- Provision for padlocking feeders and bus bar shutters
- Ferrules Machine
- Laser Engraving Machine
- Testing equipment's like a megger, an insulation tester, a clamp metre, and a primary current injection kit and CRM kit.
- CNC shearing and bending machine
- Hydraulic busbar cutting, bending, and punching machine
- Well-trained staff with DEEE and BE (EEE) qualifications



PANELS THAT WE MANUFACTURE

We manufacture various panels, as listed below. The majority of these panels are designed to fulfill the client's requirements.

12kV AIS VCB PANEL

The majority of industrial and utility switchgear use air to insulate live conductors electrically and thus are called air-insulated switchgear.

The air-insulated switchgear is a secondary power distribution device. It plays a controlling and protective role in the power distribution system.

SALIENT FEATURES

- Compact Sturdy with an Extensible Design
- Less Maintenance & High Reliability
- Draw-out VCB with Compartmentalized Design
- Long Electrical and Mechanical Life
- Conforms to IEC 62271 - 100 & 200 / IEC 62271 - 1/ IS 13118
- VCB Type Tested for E2, C2, M2 Class
- Internal Arc Tested for 12kV, 40KA IAC AFLR for 0.1 & 1 sec
- Compatible for Remote and SCADA Operation
- Closed Door Operation with Enhanced Safety
- Motorized VCB Rack in and Rack out(Optional)

12kV
VCB PANEL

APPLICATION

- Utilities and Power Plants
- Industrial segments like cement, textiles, pulp and paper, automotive, Petrochemicals, oil, steels, etc.
- Switching duties for capacitors, motors, auxiliary equipment, and generator units for power plants.





PANELS THAT WE MANUFACTURE

SALIENT FEATURES

- Compact, Sturdy with an Extensible Design
- Less Maintenance & High Reliability
- Draw-out VCB with Compartmentalized Design
- Long Electrical and Mechanical Life
- Conforms to IEC 62271-100 & 200
- Compatible For Remote and SCFDA Operation
- Closed Door Operation with Enhanced Safety
- VCB Type Tested for E2, C2, M2 Class
- Internal Arc Tested for 25kA 0.1&1 sec IAC A FLR
- Front Operated Earth Switch

33kV

VCB PANEL

APPLICATION

- Utilities and Power Plants
- Industrial segments like cement, textiles, pulp and paper, automotive, petrochemicals, oil, steels, etc.
- Switching duties for capacitors, motors, auxiliary equipment, and generator units for power plants.

Authorised System House of

stelmecc[®]
beyond boundaries



| PORCELAIN CLAD OUTDOOR VACUUM CIRCUIT BREAKERS

Porcelain Clad Vacuum Circuit Breakers (PCVCBs) are designed & manufactured for outdoor applications for switching & protection in Medium Voltage Transmission & Distribution Networks keeping in mind the tropical climate. Simple construction & less number of moving parts ensure reliable service & safety.



SALIENT FEATURES

- Virtually maintenance-free.
- High availability through spring charge spring-operated mechanism.
- Single unit: easy to transport and ready to install.
- Simple and safe to operate.
- Modular construction for easy to maintenance.
- Compact and rugged design for outdoor application.
- Well-proven vacuum interrupters for switching functions.
- Long electrical and mechanical life.
- Adequate ground and sectional clearances are required.
- Suitable for rapid auto-reclosing duty.

12kV, 21kA, SF6 GAS INSULATED RING MAIN UNIT



RMU UNIT

Ring Main Unit (RMU) is a compact and self-contained electrical distribution unit used in medium-voltage power networks. It is designed to supply electricity to multiple buildings or areas while ensuring reliable and efficient power distribution. It functions by forming a ring-shaped network, allowing multiple power sources to be connected and providing alternative paths for electricity flow in case of a fault.

One of the key advantages of an RMU is its compact size, as it takes up less space compared to traditional switchgear. This makes it ideal for urban areas with limited space availability.



SALIENT FEATURES

- Innovative and modular design.
- Fully type-tested and conforms to applicable IEC standards.
- High degree of safety and reliability.
- Fully interlocked operation and padlocking facility to ensure operators safety.
- Seamless integration with the SCADA network for remote operation and control.
- Easily extensible on both sides.
- Suitable for indoor and outdoor applications.
- Ease of installation and virtually maintenance-free.



APPLICATIONS

- Industries: Water Treatment Plants, Mining, Automotive, Iron & Steel
- Energy: wind power, solar power, compact substations

RMG UNIT

Meriton Switchgear Private Limited manufactures various modules of indoor and outdoor compact package sub-stations from 6.6 kV to 33 kV and up to 2500 kVA transformer capacity with HT/LT switchgear.

SALIENT FEATURES

- Fully Compartmentalized Design.
- Indoor and outdoor installations are available.
- Compact and occupies less space.
- Easy to Install
- Easy to operate and less
- Tailored configuration to meet customer requirements.
- Aesthetically enhanced look and designed to suit the site topography, which gives a pleasing appearance.

APPLICATIONS

They are ideally suited for new residential and commercial complexes as it can be placed on ground floor or basement or rooftop of the High raises buildings. Mainly used by power utilities, Multiplexes, Hotels, Hospitals, Shopping malls, Software parks, Airports, and residential complexes etc...












We have a complete in-house facility for the manufacturing of high-quality MV panels and associated items.

Our group companies have a complete type-tested panel from CPRI for 4000 amps at 65 kA, fault level, and IP 65 enclosure ratings. Our infrastructure has:

- **Designing** - A team of expert engineers and AutoCAD designers for load calculations and design.
- **Fabrication** - CNC and Amada-based Sheet Punching, Shearing, and Bending
- **Powder Coating** - In-house, 9-Tank Powder Coating Process
- **Gasketing** - PU Gasketing
- **Busbar & Assembly** - Highly Equipped Busbar, Wiring, and Assembly Machines



OUR LATEST SUCCESSFUL PROJECTS

OUR CERTIFICATIONS

We are ISO 9001:2015 Certified and also CPRI Certified Company



“

Powering Progress, Connecting Solutions:
Elevate Your Industry with Our Electrical
Panel Board Excellence

”

SCAN HERE



OUR CLIENTS



Follow more details



LOCATION

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