



Power Technology Perfect & Precise

LT PANELS

- ★ Main LT Panels
- ★ Power Control Centers (PLC)
- ★ Motor Control Centers (MCC)
- ★ Automatic Power Factor Control Panels (APFC)
- ★ D.G./AMF Panels
- ★ L.T. Bus Ducts
- ★ H.T. Capacitor Panels
- ★ Load Sharing Panels
- ★ VFD Panels
- ★ PLC & Special Purpose
- ★ Feeder Pillars



**Indian Transformers and Electricals Pvt. Ltd.
Gurgaon**

We offer ITE-Gurgaon make LT panels with diverse specification options for a highly customized panels up to 6300 Amps having fixed and Draw-out types, including Single /Double Front type. The LT panels conform to IS 8623-part 1:1993 & IEC 439-1:1985. Our panels are designed to withstand high humidity, temperature, ambient service conditions and short circuit levels & these make our panels an ideal choice.

Our LT panels provides superior control & protection of low voltage power equipment & circuits in utility, industrial, commercial installations involving generators, motors, feeder circuits and distribution.

LT Panels

An electrical distribution board that receives power from generator or transformer and distributes the same to various electronic devices and distribution boards. Such panels are used in industries both for internal and external use and, therefore, they are quite rugged to withstand different climatic conditions. Our LT panels are designed to work with low electricity consumption that makes them cost effective

Synchronizing Panels

Work between two or more different power sources like DG sets to manage power supply. Synchronization helps in making different DG sets behave as a virtual single unit and eliminates subdivision of total load. It helps in transferring load from one unit to another as during service period, so that the unit requiring service can be easily shut off. In this way the critical load need not be interrupted and there is no production loss. During low load we can run any single unit, and synchronize more units as the load increases. This can be manual or automatic

Technical Specifications

Application	Power Distribution
Construction Type	Moduler & Fixed Type
Max. Rated Current	Up To 6300 Amp. 65 KA
System Voltage	415/440 Volt
Rated Insulation Voltage	690 Volt
Ambient Temperature	50°C
Degree Of Protection	IP-54
Busbar	Aluminium or Copper
Mechanical Structure	Sheet steel, protected against corrosion by a Phosphating treatment. Structure powder painted, Siemens grey, Orange fire, colour (other colours on request)
Wiring	Fire retardant copper wire /cables.
Fuses/MCB/MCCB	All capacitors are protected.
Rated Voltage	380/400/415/440/460V AC or as per requirement.
Frequency	50 Hz. ± 3%
Protection degree	External protection degree : IP 45 or as per requirement
Cooling	Exhaust fans (where required)
Temperature Range	-10°C to + 50°C

- ◆ Interleaved Design for 4000A & above
- ◆ Our PCC Panels are functionally colour coded for easy identification of feeder.
 - a. Transformer I/C Feeder – Blue
 - b. Diesel Generator Incomer Feeder – Orange
 - c. Bus coupler Feeder – Off white
 - d. O/G Feeder – Siemens Gray
 - e. Other Colour/s as per customer specifications.

Safety

- Completely enclosed bus bar chambers
- Shrouded links in feeder compartments
- Dust & vermin proof construction
- Bus bar constructions to withstand high fault levels upto 65 KA

Advantage / Key Features

- Compliance with latest IS & IEC Standards.
- Fully compartmentalized design.
- Easy to install, operate and require very Less Maintenance.
- Cost Effective and Space Saving.
- A high degree of Safety and operational reliability is achieved.
- Indoor/outdoor models and Tailored Configuration to meet customer requirements.
- Aesthetically enhanced look and designed to suit client's requirements.
- Designed to meet temperature rise limits.

PRODUCTS

TRANSFORMERS (OIL/DRY) | VCBs / LBS | VOLTAGE CONTROLLERS / AVR's | PANELS | COMPACT SUB-STATIONS

APPROVALS & REGISTRATIONS ◆ E-in-C (Defence) ◆ MAP ◆ Railways ◆ BSNL ◆ MTNL & more



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