



**We offers :-**

PCC | MCC | PMCC | AMF Panel | APFC Panel | LDB | PDB  
 | P&S DB | FPP | VFD Panels | PLC - DCS Panels | Junction  
 Boxes | Krone Junction Box | MIMIC Panel | Relay Panel |  
 Fire Pump Panel | Synchronizing Panel | Construction  
 Power Panel | Annunciator Panel | Change over Panel |  
 Panel Enclosures -> ABS / PC / GFRP Enclosures



## Technical Specifications, Standards & Certifications

- Rated System Voltage -415V
- Rated Insulated voltage -1000V
- Rated Frequency - 50Hz
- Rated Auxiliary Circuit Voltages - 230V [As per customer logic]
- Earthing Systems - TT-IT-TNS-TNC
- Material of Construction – - MS Sheet [CRCA/HR] | GI | SS | Thermoplastic |GRP
- **Design-**
  - Structure -Welded / Modular / Fully Bolted type Enclosures
  - Feeders -Fix type / Draw out,
  - Operation / Access -Single Front / Double Front / Single front with rear access
  - Cable Entry -Bottom / Top [Detachable cable gland plate]
  - Installation -Indoor / Outdoor
  - Mounting -Wall / Structure / Free floor standing
  - Form of internal separation -3B / 4B [as per customer requirement]
  - Degree of protection -IP30/ IP4X/ IP5X/IP6X
  - Max Height -2375mm | Length as per design
  - Operating Height -Minimum -300mm | Maximum- 1800mm
- **Construction –**
  - Body/ Structure -14Swg [2.0mm] / 16Swg [1.6mm]
  - Doors / Partitions/ Covers -16Swg [1.6mm]
  - Gland plate -14Swg[2.0mm] / [10Swg[3mm]On Request]
  - Mounting Plate -14Swg[2.0mm] / [10Swg[3mm]On Request]
  - Base Stand -MS Angle [Size based on panel Size]
  - Plinth – ISMC Channel -75 x 40 x 5 / 100 x 50 x 5
- **Surface Treatment**
  - Surface treatment -7Tanke treatment
  - Powder coating -Epoxy / Polyester - RAL 7035 / RAL -7032  
[Other colour depends up on request]
  - Coat thickness - Greater than 80 Microns
- **Tests – Following test can be witness by the customer at our works –**
  - Dimensional Check - with help of measuring tape.
  - Bill of material verifications - Physical verifications
  - Functional Check - As per logic
  - Relay Function test [If Any] - With Secondary inj. Kit.
  - Continuity Test - With help of Multi-Meter
  - Insulation resistance test - Magger [1000VDC]
  - HV Test - With help of HV Testing Kit.[2.5kV-1Min.]
- **Applicable Standards-**
  - Switchgear Assembly verification – IEC 61439 -1 / 60529 / 60255
  - Internal Arc – IEC 61641
  - Tested for Seismic Load - IEC-60068-3-3
  - Vibration tested - IEC- 60068-2-6