



# POWERCON CONTROL SYSTEM

Mfg By: CONTROL PANEL, FIRE PANEL, PCC PANEL, MCC PANEL, PLC & VFD PANEL, ACB PANEL, DG PANEL, AND ALL TYPE OF ELECTRICAL WORKS



## INTEGRATED POWER SOLUTION



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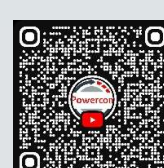
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## About Us:

We are a leading manufacturer of high-quality **Electrical Panel Boards**, delivering reliable, safe, and efficient power distribution solutions for commercial, industrial, and residential applications. With a strong commitment to engineering excellence, our products are designed and manufactured using advanced technology, strict quality standards, and durable components to ensure long-term performance.

## Who We Are :

With years of experience in the electrical industry, our company specializes in custom-built and standard electrical panels including **LT Panels, Fire Panels, AMF Panels, PCC Panels, MCC Panels, APFC Panels, Control Panels, and Metering Panels**. Every product is crafted by a team of skilled engineers ensuring unmatched precision and safety.

## Our Commitment

We focus on delivering:

- High-quality certified panels
- On-time delivery
- Reliable after-sales support
- Energy-efficient and compliant designs
- Customized solutions for all project needs

## Industries We Serve

- Industrial Plants
- Commercial Buildings
- Residential Projects
- Manufacturing Units
- Hospitals & Institutions
- Infrastructure Projects

## Why Choose Us?

- Advanced manufacturing facility
- Experienced technical team
- Strict QC & testing procedures
- Tailor-made designs
- Competitive pricing



# POWER & DISTRIBUTION



## Motor control centers Panels (MCC)

**Motor control centre (MCC)** are simply a group of combination starters in one assembly. A combination starter is a single enclosure containing the **Motor Starter, Fuses or Circuit Breaker**, and a **Device for Disconnecting Power**. Other devices associated with the motor, such as pushbuttons and indicator lights, may also be included. [Motor control centers](#) are usually used for low voltage three-phase alternating current motors from 208 V to 600 V. Medium-voltage motor control center are made for large motors running at 2300 V to around 15000 V, using vacuum contactors for switching and with separate compartments for power switching and control. POWERCON CONTROL SYSTEM is the **top manufacturer, dealer and supplier of MCC Panels in Tamilnadu Hyderabad, Kerala, Andra Pradesh and Bangalore.**



# POWER & CONTROL



An MCC (Motor Control Center) panel is a centralized electrical assembly used in industrial and commercial settings to control and manage multiple electric motors from a single location. It houses components like motor starters, overload relays, and circuit breakers to provide protection, control, and monitoring for the motors, which can be done manually or remotely. This centralization improves operational efficiency, safety, and organization by consolidating motor controls and associated equipment.



## SOFT STARTER PANEL

A soft starter panel is an electrical device that gradually increases voltage to an AC electric motor during startup, minimizing the high inrush current and torque. This gradual start reduces electrical and mechanical stress on the motor, its connected equipment, and the power grid, which extends the lifespan of components and prevents damage. Soft starter panels are used in various applications, including pumps, conveyors, and industrial machinery.



## VFD PANEL

A VFD (Variable Frequency Drive) panel is a control panel that adjusts the speed and torque of electric motors by changing the frequency and voltage of the power supplied to them. These panels are used to improve energy efficiency, reduce wear on equipment, and provide precise motor control in applications like pumps, fans, and manufacturing machinery. VFD panels typically contain a rectifier, filters, and an inverter, and they provide a way to monitor real-time motor data like energy consumption and frequency.

# AUTOMATION & INSTRUMENTATION



## PLC PANEL

PLC panels are used to automate and control a wide variety of industrial and mechanical processes, such as controlling manufacturing assembly lines, managing water treatment plants, and regulating power distribution in the energy sector. They are essentially the central control unit for complex systems, managing everything from simple motor operations to intricate production sequences, improving efficiency, safety, and precision.

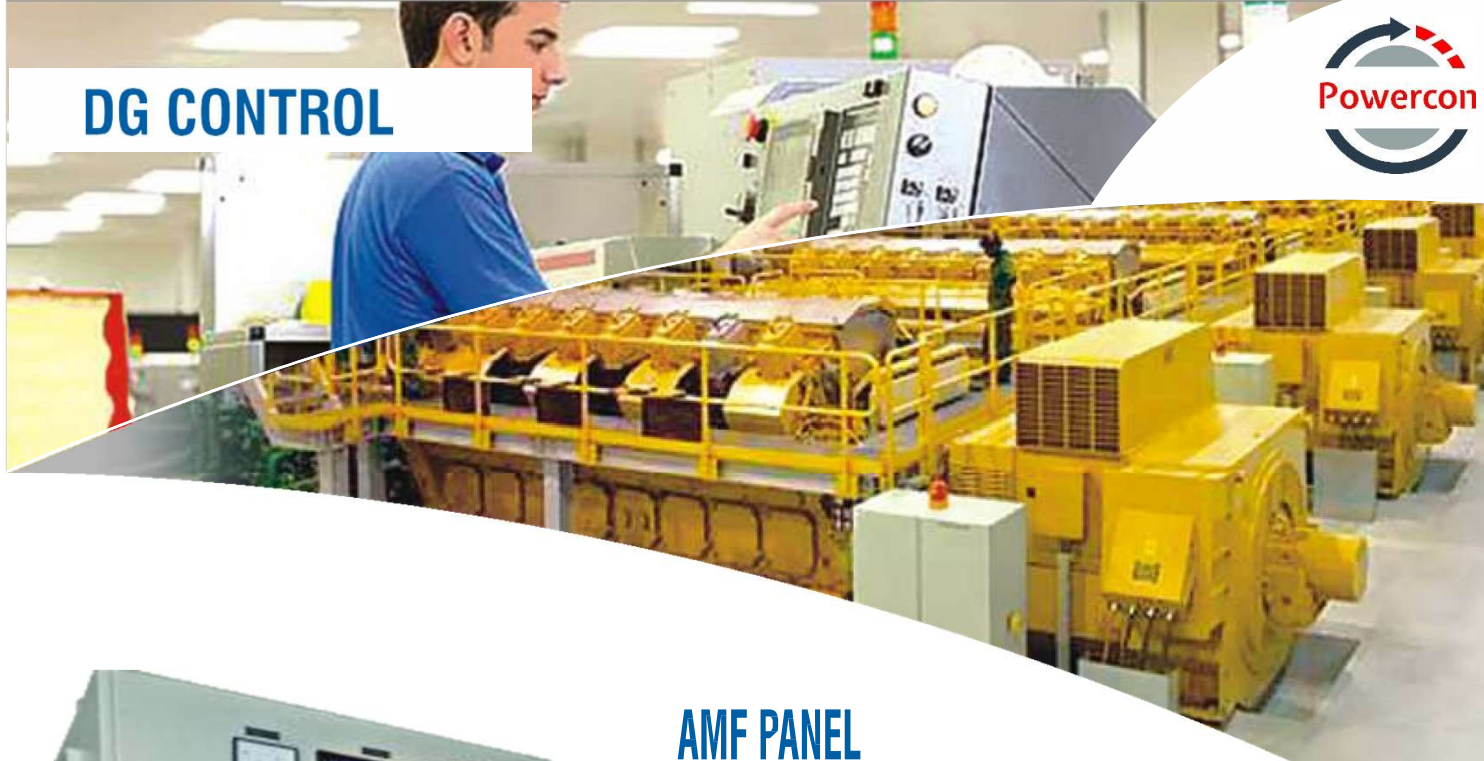


## INSTRUMENT PANEL

Instrument Panel are used to Monitor/Control the operation of instruments working on Temperature, Level, Flow, Pressure applications. Instrument Panel displays all values like PH, ORP Temperature, Flow at one place so that one can monitor and control easily. We can provide annunciator with hooter so that operator has instant idea about any abnormal conditions and it can be controlled immediately



# DG CONTROL



## AMF PANEL

An **Automatic Mains Failure (AMF) panel** works by constantly monitoring the main power supply and, in the event of an outage or significant voltage deviation, automatically starting a backup generator and transferring the electrical load to it. This ensures an uninterrupted power supply to critical equipment and systems without requiring manual intervention.



**AMF Panels** or **Automatic Mains Failure Panels** are the important part of an industry which will automatically switch to the power backup or generators when there is a power loss.

Without [AMF Panels](#) we must start the generators manually, and may cause data loss or work loss.

## DG SYNCHRONISING PANEL

A DG synchronization panel is an electrical control system that connects two or more diesel generators (DGs) to each other and to the main power grid. It ensures that the generators' electrical parameters (voltage, frequency, phase angle, and waveform) are matched before they are connected, which enables them to run in parallel and share the load. This provides a stable and uninterrupted power supply for critical facilities like hospitals, data centers, and manufacturing plants.



## **FIRE FIGHTING PANELS**

With our in-depth knowledge in this domain, we are engaged in offering our clients the finest quality Fire Fighting Pump set Panels that is in domestic, Public Sector, Private sector and Industries. Our offered panel is manufactured by using high grade components and innovative technology by adroit experts. Moreover, these panels are available in different designs and sizes in order to cater the needs of our clients. We offer this panel within predefined time frame.



# Automatic Power Factor Control Panels(CAPACITOR PANEL)

**Automatic Power Factor Control Panels** are mainly used for the improvement of Power Factors. Power Factor can be explained as ratio of active power to apparent power and it is a key factor in measuring electrical consumption. Everyone knows that how costly electricity has become in present time. Therefore it becomes utmost important to cut down on electrical consumption for reducing expenditure.

**APFC Panels** come real handy in the achievement of this purpose. Use of these control panels become in-dispensable in those industries where electrical installations are meant to supply to large electrical load. A dip in Power Factor can attract operational losses and a penalty from electricity board, responsible for electricity supply. We offer wide range of standard and customized APFC panels and are competitive in the Industry. APFC Panels are effectively and automatically manage quickly changing and scattered loads along with the retention of high Power Factor. We are **top manufactures, dealers and suppliers of APFC Panels, Tamandu Hyderabad and Bangalore** and symbolized with quality and reliability. These are available in different current ratings to cater to distinct application.



# METER PANEL BOARD's:



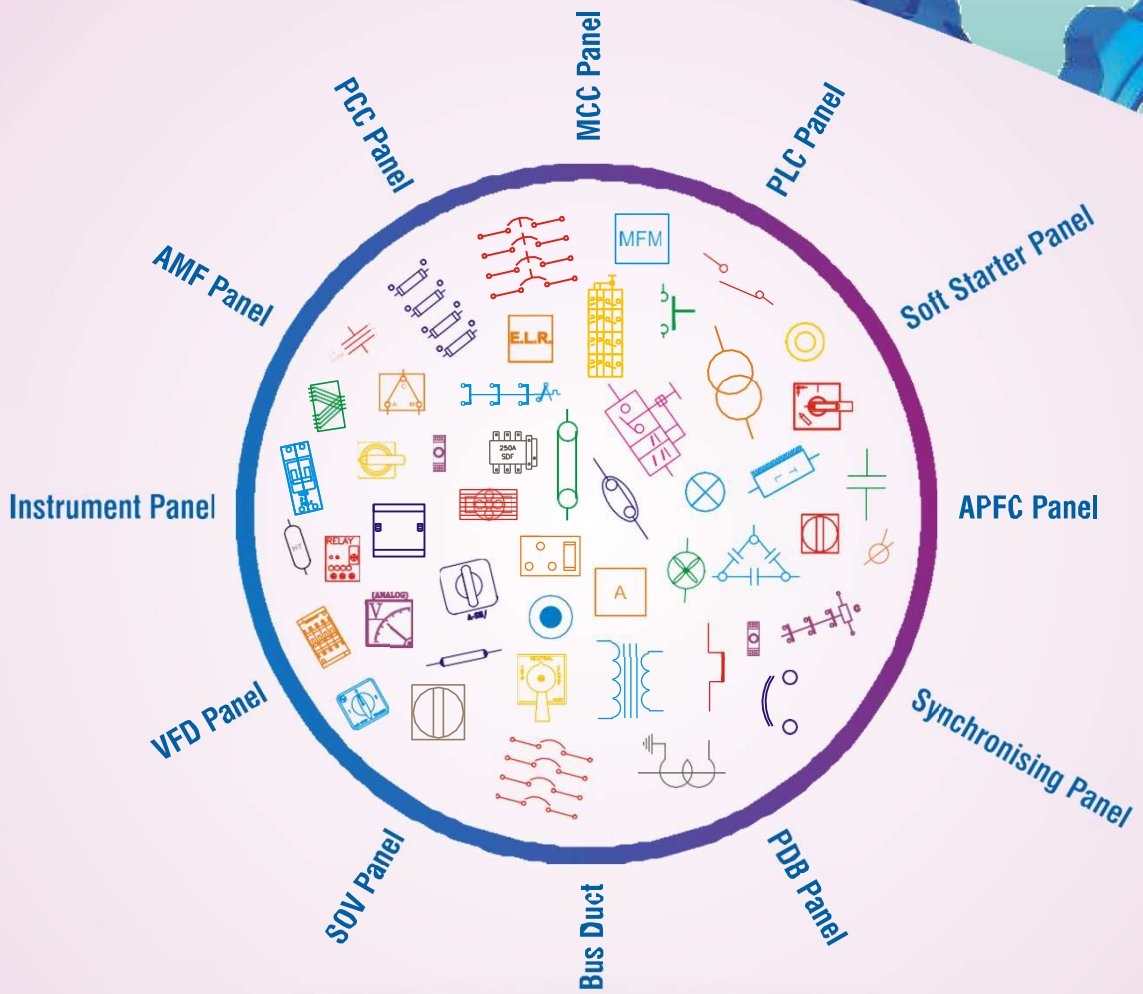
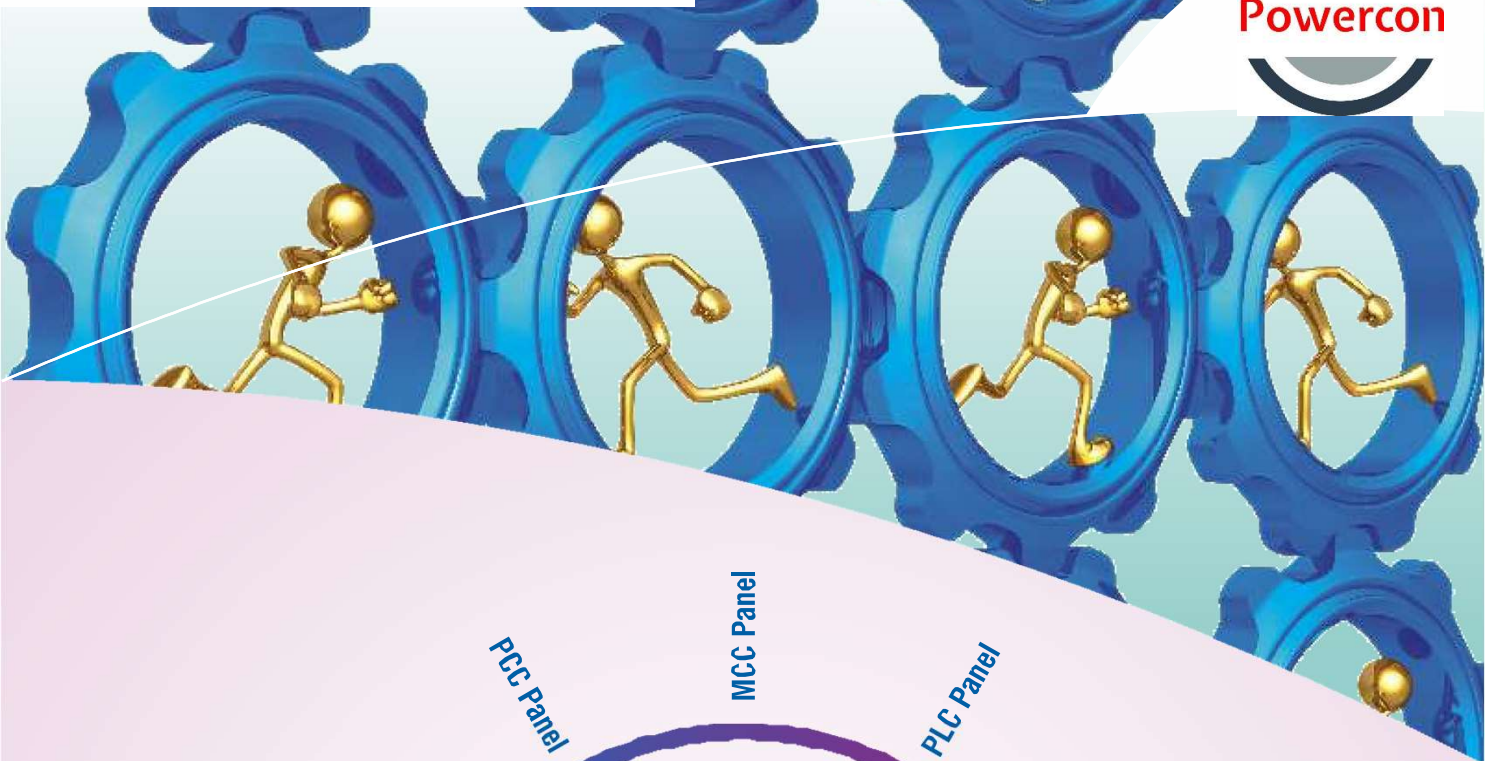
**Meter Panel board for multiple meter compartments. The TNEB/BESCOM Metering Panels are the indoor and outdoor type which conforms to IP 54 degree of protection. All Metering Panels are properly pre treated & then powder coated. Some of the Salient features of our Metering Panels Meter Panel board Totally enclosed, self-supporting, floor mounted, dust and vermin proof enclosure fabricated out of 14G/16G CRCA steel sheet enclosure with cross-linked foam gaskets on doors.**

## **Ratings:**

**Powercon-Panels manufacturing the Meter Panel board with a high standard of quality and reliability. As a result, Powercon panels is a top 10 electrical panel manufacturer. LT panels are designed with rated current ranging from 100A to 1200A and up to 65KA and 80KA fault level**

## **Protection Level:**

**Firstly, all indoor panels have the protection of IP54 or better even more all outdoor panels will have the protection of IP65 or better. Secondly, all Meter Panelboards are made by laser cutting CRCA sheet and powder coating with the 7-Tank process.**



## DYNAMIC PRODUCTS SPREAD IN INDUSTRIES

- Power Plants
  - HVAC
  - Steel Industries / Foundry
  - Water and Waste Industries
  - Rubber and Tyer Industries
- Automotive
  - Plastics
  - Pharmaceuticals
  - Water Management
  - Textiles
- FECs (Multiplex, Hotel)
  - Commercial Complexes
  - Gems & Jewellery
  - Dairy and Dairy Equipments
  - Road Construction Machineries
- Hydraulics
  - Infrastructure viz. Ports, Dam Sites, Airports
  - Packaging and Papers
  - Plastic Injection Machines



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