



# Electrical & Electronics Control Panel Manufacturer

IGNIGHTER Engineering Pvt. Ltd.

[www.ignighter.co.in](http://www.ignighter.co.in)



## ABOUT US

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WE OFFER UNIQUE AND THE SINGLE WINDOW BEST SOLUTIONS WITH THE LATEST TECHNOLOGY FOR LT CONTROL PANEL AND AUTOMATION. AS A MULTI-TECHNOLOGY ORGANIZATION WE ARE ALSO INVOLVED IN PROVIDING TO OUR CLIENTS ELECTRICAL AND MECHANICAL ERECTION SERVICES. IMMENSELY ACCREDITED FOR THEIR AFFORDABILITY AND ON TIME EXECUTION, THESE SERVICES ARE ENORMOUSLY IN DEMAND. EXECUTED UNDER THE SUPERVISION OF NIMBLE PERSONNEL TO PRESERVE THEIR SUPERIORITY AND RELIABILITY, THESE CAN BE ALTERED AS PER PATRON SPECIFIC DESIRES.

## OUR STRENGTH

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**CPRI Certified** : C. P. R. I CERTIFICATE FOR **SHORT CIRCUIT 4000A** (65 KARMS FOR 1.0 SECOND WITH INITIAL PEAK OF 143 KAPEAK).

C. P. R. I. CERTIFICATE FOR **TEMP. RISE** OF 4000A LT PANEL

**ISO Certified** : We are **ISO 9001 : 2015** certified Origination. We are committed to design, manufacture, supply & install Equipments to the upmost satisfaction of our customers. We strive to continuously improving all our systems. We believe this is possible only by the involvement & participation of the entire team.

Our all electrical control panels and power distribution boards are manufactured with all guidelines & instructions of latest IS and IEC standards.

**WE OFFER EXCELLENT CUSTOMISED FACILITY TO OUR CUSTOMERS TO MEET SPECIFIC REQUIREMENTS AND DEMANDS OF CUSTOMER.**

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## SALIENT FEATURES

- ✓ Long Functional Life
- ✓ Easy to Install
- ✓ Low Maintenance
- ✓ Design tested at CPRI for short circuit & temperature rise as per IS/IEC standards
- ✓ Form 1/2/3a/3b/4a/4b design
- ✓ CNC Fabricated
- ✓ Standardized designs
- ✓ Computer Aided Design (CAD) systems
- ✓ Panel enclosure degree of protection IP - 54, IP - 55 & IP 65
- ✓ Anti corrosion treatment
- ✓ Powder Coating Painting
- ✓ Applicable SMC or FRP bus bar supports for best mechanical & electrical strengths for fault current withstand.
- ✓ Heat shrinkable PVC sleeves for Bus bars
- ✓ Provision for future expansion of busbar on both sides or as per requirement.

# Our Product Range

## Certificates

### Distribution Range

- ❖ MAIN LT PANEL
- ❖ POWER CONTROL CENTRE (PCC)
- ❖ POWER DISTRIBUTION BOARD (PDB)
- ❖ LOAD SHARING/SYNCHRONIZING PANEL
- ❖ FEEDER PILLAR

### Power Quality Solutions

- ❖ CAPACITOR PANEL (APFC PANEL)- CONTACTOR SWITCHING
- ❖ CAPACITOR PANEL (APFC PANEL) - THYRISTOR SWITCHING
- ❖ CAPACITOR PANEL (APFC PANEL) – HYBRID SYSTEM
- ❖ HARMONIC FILTER PANEL
- ❖ HYBRID HARMONIC FILTER PANEL (AHF+APFC)

### Motor Control and Protection

- ❖ MOTOR CONTROL CENTRE (MCC PANEL)
- ❖ CONTROL AND RELAY PANEL (CRP)
- ❖ DOL STARTER PANEL
- ❖ STAR-DELTA STARTER PANEL
- ❖ DUAL SPEED STARTER PANEL
- ❖ SOFT STARTER PANEL
- ❖ VFD PANEL

### METERING SOLUTIONS

- ❖ METERING PANEL
- ❖ DEMAND CONTROLLER PANEL
- ❖ SMART METERING PANEL (COMMUNICABLE WITH WIRE/WIRELESS)

### Logic Control Panel

- ❖ PLC PANEL
- ❖ MIMIC PANEL
- ❖ ANNUNCIATOR PANEL
- ❖ CONTROL DESK
- ❖ FIRE FIGHTING PANEL
- ❖ LEVEL CONTROL PANEL
- ❖ TIMER PANEL (ASTRO TIMER)

### BUS DUCTS & RISING MAINS

- ❖ AL AND CU BUSDUCT WITH CRCA / AL BODY

### IGNIGHTER PRODUCT FOR CUSTOMS APPLICATION

- ❖ HVAC Panel
- ❖ Fire Panel
- ❖ CCM Control Panel
- ❖ Auto Hot Billet Shearing Panel
- ❖ Lift Panel
- ❖ EOT Crane Control Panel.
- ❖ Petrol Pump Panel etc.



## PCC PANEL

- ✓ APPLICATION : SUPERVISE, CONTROL AND PROTECTION OF POWER DISTRIBUTION SYSTEM
- ✓ RATING : 1PH OR 3PH UP TO 6300A
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ MOUNTING: FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## MCC PANEL

- ✓ APPLICATION : SUPERVISE, CONTROL AND PROTECTION OF MOTOR
- ✓ RATING : 1PH OR 3PH.
- ✓ TYPE : COMPARTMENTALIZE/ NON-COMPARTMENTALIZE/DRAWOUT/NON-DRAWOUT/SINGLE FRONT/DOUBLE FRONT ETC
- ✓ DEGREE OF PROTECTION : AS PER REQUIREMENT.
- ✓ MOUNTING: AS APPLICABLE.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS

## APFC PANEL

- ✓ APPLICATION : IMPROVEMENT OF THE POWER FACTOR OF THE SYSTEM.
- ✓ RATING : AS PER SYSTEM REQUIREMENT.
- ✓ TYPES : CONTRACTOR BASED / THYRISTOR BASED OR HYBRID CONTROL
- ✓ ADDITION FEATURES : REACTOR / SURGE PROTECTOR / DISCHARGE RESISTOR ETC.
- ✓ DEGREE OF PROTECTION : AS PER REQUIREMENT.
- ✓ CONFIGURATION : AS PER CLIENT'S REQUIREMENT.
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## PLC PANEL

- ✓ APPLICATION : AUTOMATION
- ✓ INTEGRATED WITH PLC, SCADA, HMI, SENSER, CONTROLLER, RELAY ETC
- ✓ SPECIAL FEATURES : REDUNDANT SYSTEM / SIM OR ETHERNET BASED MONITOR/CONTROL FROM ANY LOCATION OF THE GLOBE
- ✓ DEGREE OF PROTECTION : AS PER REQUIREMENT.
- ✓ MOUNTING: ACCORDING TO APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## VFD PANEL

- ✓ APPLICATION : SPEED AND TORQUE CONTROL AND PROTECTION OF MOTOR
- ✓ RATING : 1PH OR 3PH
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ MOUNTING: FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS

## AMF PANEL

- ✓ APPLICATION : AUTOMATIC DG START/STOP, BUS SYNCHRONIZATION AND LOAD SHARING AND MANAGEMENT (DEPENDS ON APPLICATION)
- ✓ RATING : AS PER SYSTEM REQUIREMENT
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ MOUNTING: FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## SOFT STARTER PANEL

- ✓ APPLICATION : ACCELERATION, DECELERATION, AND PROTECTION OF THE MOTOR
- ✓ RATING : UPTO 400KW
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ MOUNTING: FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## P. D. B. PANEL

- ✓ APPLICATION : SUPERVISE, CONTROL AND PROTECTION OF POWER DISTRIBUTION SYSTEM
- ✓ RATING : 1PH OR 3PH
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ MOUNTING: FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## CONTROL & RELAY PANEL

- ✓ APPLICATION : LINE / TRANSFORMER / GENERATOR / OUTGOING AND VCB PROTECTION FOR INDOOR/OUTDOOR SUBSTATION.
- ✓ RATING : AS PER SYSTEM REQUIREMENT
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ MOUNTING: VCB PANEL / FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ WIRE : CU WIRE AS PER RATING
- ✓ EARTHING BUSBAR : ALL ALONG THE PANEL
- ✓ WARRANTY : 12/18 MONTHS



## STARTER PANEL

- ✓ APPLICATION : MOTOR STARTING AND RUNNING CONTROL AND PROTECTION.
- ✓ TYPES: DOL STARTER, S/D STARTER, DUAL SPEED STARTER, VFD WITH BYPASS STARTER ETC.
- ✓ SPECIAL FEATURES : LOCAL/REMOTE OPERATION, AUTO/MANUAL OPERATION, INTERLOCK AS PER REQUIREMENTS, SPECIAL PROTECTION ETC
- ✓ DEGREE OF PROTECTION : AS PER REQUIREMENT.
- ✓ MOUNTING: DEAK TYPE /FLOOR/WALL/ANGLE FRAME OR PEDESTAL MOUNTING DEPENDS ON APPLICATION.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ BUSBAR : CU OR AL BUSBAR
- ✓ WIRE : CU WIRE AS PER RATING



## JUNCTION BOX / LPBS / FEEDER PILLAR

- ✓ APPLICATION : CONTROL FROM REMOTE / CABLE JUNCTION / CONSTRUCTION POWER ETC
- ✓ DEGREE OF PROTECTION : AS PER REQUIREMENT.
- ✓ MOUNTING: AS APPLICABLE.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT
- ✓ WARRANTY : 12/18 MONTHS



## BUS DUCT

- ✓ APPLICATION : RELIABLE LINK FOR TRANSFERRING POWER FROM ONE EQUIPMENT TO OTHER EQUIPMENT/S
- ✓ CONDUCTOR : ALUMINIUM / COPPER
- ✓ OPTIONAL FEATURES : COPPER FLEXIBLE JUMPER / RUBBLE BELOW / HEATER WITH THERMOSTAT/SILICA GEL BREATHER
- ✓ RATING : AS PER SYSTEM REQUIREMENT
- ✓ DEGREE OF PROTECTION : IP52 / IP54 / IP55 / IP65 AS PER REQUIREMENT.
- ✓ CONFIGURATION : CUSTOMIZABLE AS PER CLIENT'S REQUIREMENT.
- ✓ EARTHING BUSBAR : ALL ALONG THE DUCT
- ✓ WARRANTY : 12/18 MONTHS



## We Deal In



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## Valuable Customers



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### IGNIGHTER Engineering Private Limited

(AN ISO 9001-2015 CERTIFIED & CPRI APPROVED ORGANIZATION)

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