



TRIPASON™
Power Solution's



सत्यमेव जयते

MSME
MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम

TRIPASON POWER SOLUTIONS PRIVATE LIMITED

(Save Electricity For Brighter Future)



ABOUT US



Welcome to TRIPASON POWER SOLUTIONS PRIVATE LIMITED.

Here in TRIPASON we provide solution's for your complete electrical work.

TRIPASON POWER SOLUTIONS PRIVATE LIMITED is a dynamic and progressive organization having been supplying electrical panels, automatic servo voltage stabilizer, distribution transformer etc. in various Residential, Commercial and Industrial Projects. Today this company encompasses an array of plants and state of the art equipment as well as a good team of highly qualified staffs. A dedicated workforce execute and maintain standard in executing the projects undertaken properly and maintain quality at all levels, hence has competitive edge in Industrial, Residential and Commercial Projects. Our works starts with the Designing Approval Manufacturing with approved specifications given by Clients/Consultants.

Our specialization is in fixed type APFC(automatic power factor corrector) Panel's, Auto changeover Panel's, Motor Control Center, Power Control Center, Instruments switchboards, AMF Panels, Synchronizing Panels, Power Process Panels etc.

Our Company Slogan: - **“Save Electricity for Brighter Future”**.



OUR

PRODUCTS

MOTOR/PUMP STARTERS



DOL STARTER



STAR DELTA STARTER

A motor starter is an electrical device that is used to start & stop a motor safely. Similar to a relay, the motor starter switches the power ON/OFF & unlike a relay, it also provides a low voltage & overcurrent protection.

Our Motor Starter Features:-

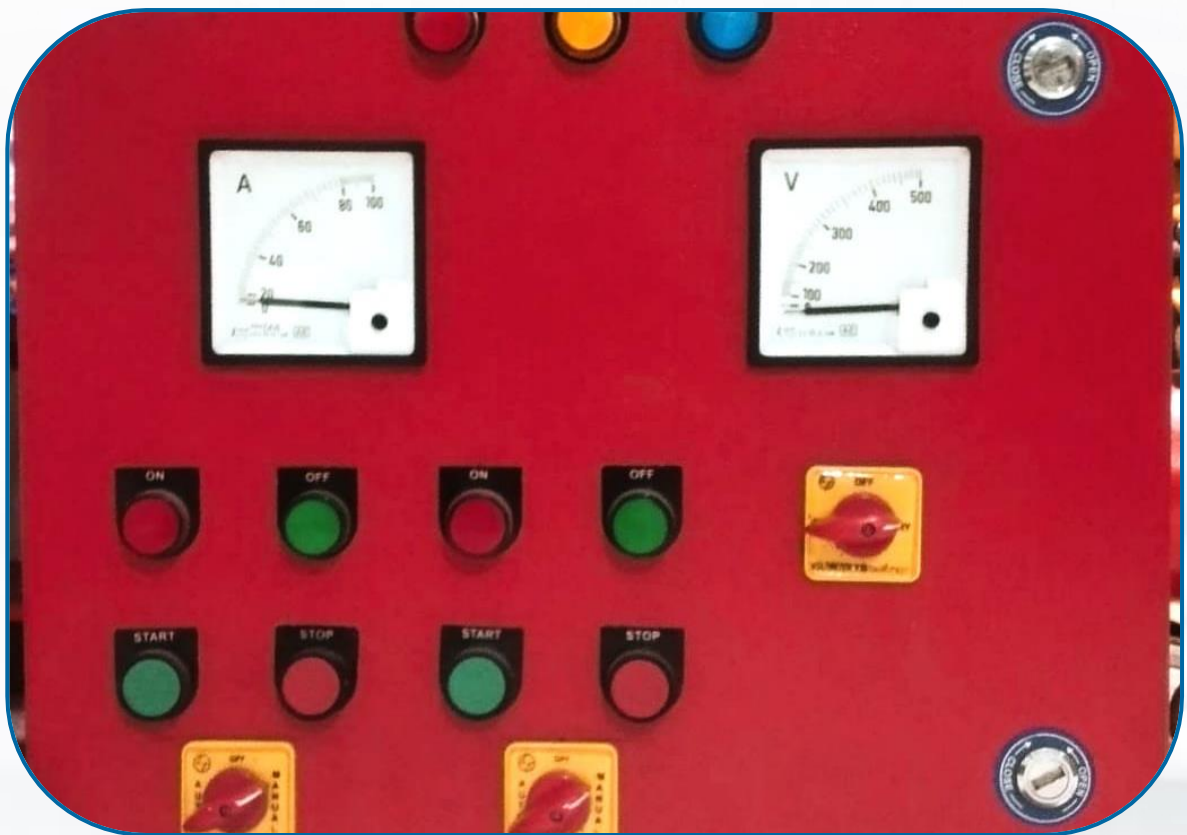
- User Selection Trip Time
- Auto/Manual/ZVR Reset Function
- True RMS Measurement

Protection & Metering:-

- * Over/Under Voltage
- * Over/Under Current
- * Over/Under Frequency
- * Single Phase Prevention
- * Short Circuit
- * Three Phase Amp Meter
- * Frequency Meter
- * Unbalance
- * Phase Loss
- * Lock Rotor Point
- * Phase Sequence
- * Neutral Loss
- * Three Phase Voltage Meter
- * Single Phase Voltage Meter

We have all type of motor starter's DOL, Star Delta, VFD, Sump pump, Reverse/Forward Etc.

FIRE PUMP STARTER PANEL



These are control panels containing electrical components such as circuit breaker, switches, relays and other devices dedicated to the operation of fire pumps. The devices within a fire pump controller panel perform such functions as receiving signals from alarm devices, such as pressure operated switches, sprinkler alarm valves or remote fire alarm equipment; activating motor control devices to provide electric power to motors driving fire pumps and monitoring the fire pump operation and performance.

VARIABLE FREQUENCY DRIVE MOTOR STARTER PANEL

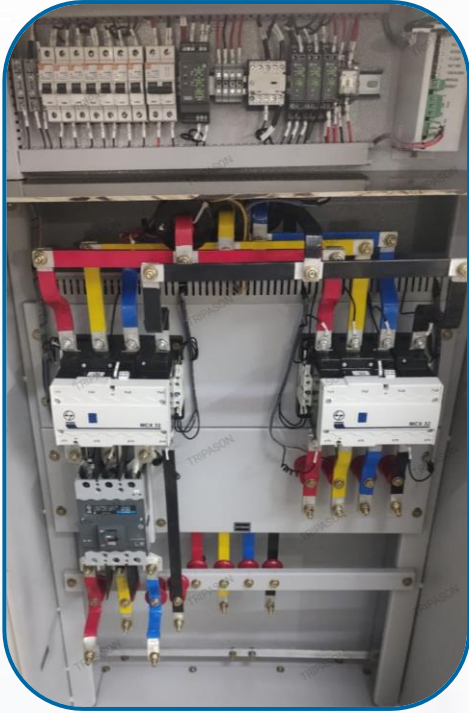


Variable frequency drive (VFD) can vary the voltage as well as the frequency of the supplying current. It is mainly used for controlling the speed of the induction motor as it depends on the supply frequency.

The AC from the supply line is converted into DC using rectifiers. The pure DC is converted into AC with adjustable frequency & voltage using pulse width modulation technique through power transistor like IGBTs.

It provides full control over the motor speed from 0 to rated speed. The speed adjust option with the variable voltage provides a better starting current & acceleration.

AUTO CHANGEOVER PANEL



CONTACTOR BASE



ATS BASE

Automatic Changeover Panel Performs the Function of Automatically Switching the Connected Load Among Mains or Genset (or Any Two Power Sources) in a Specified Manner With Mains as First Priority. During Healthy Mains Supply, the Load is Drawn From Mains Only. When Main Supply Fails and Standby Genset is on, It Automatically Connects the Load on Generator. When Main Supply Resumes, the Connected Load is Automatically Shifted Back to Mains.

We have Automatic Changeover panel Relay base, PMC base, ATS (Automatic transfer switch) base & Contactor base etc.

APFC PANEL



Function of APFC Panel is improve the power factor. Most of the electric load is reactive, resulting in poor power factor. Companies distributing electricity encourage consumers to improve power factor. For improving power factor, electricity consumers have to connect capacitors of optimum rating across inductive load. APFC is an automatic power factor electrical device which is employed to boost the ability factor, whenever required, by switching ON and OFF the desired capacitor bank units automatically.

AMF PANEL



AMF panels (Automatic Mains Failure panels) are sometimes referred to as ATS panels. Like ATS systems, AMF panels monitor the incoming power supply from the mains and automate the switch to the standby generator source in the event of an outage.

Having an AMF panel in place means users won't have to manually manage the switch to standby generator in an emergency.

ELECTRICAL PANEL (LT, PCC, MCC ETC.)



An electrical panel is nothing but a load control center. All the electrical actions such as power distribution, power transmission, power system protection are performed by using electrical panel only. The electrical scheme (wiring diagram) will be established using electrical panel & Electrical panels are the practical installation of electrical wiring diagram. It consists of trip circuit, closing circuits, busbars, cables, MCCBs, MCBs, MPCBs, NO & NCs, etc. Electrical panels are ensuring the safe power distribution to the load. Electrical panels are manufactured by rolled steel and well-shaped either rectangle or square. Electrical panel are classified different types as per application.

PCC stands for power control centre. In general, a panel that supplies or receives high tension (HT) power is referred to as PCC, whereas panels that supply power to low tension (LT) motors are referred to as MCC.

What are LT panels

LT Panel is an electrical distribution board that receives power from generator or transformer and distributes the same to various electronic devices and distribution boards.

Why are MCC panels used

The MCC panel (motor control center) is used as the primary means for controlling various motors needed for a facility's electrical system. This panel contains all motor control and protection devices (MCBs, contactors, timers, relays, MCCBs, isolators, bus bar, circuit breakers, transformers, limit switches, etc.)

DG AUTO SYNCHRONIZING CONTROL PANEL



Basically DG Synchronization panels are mainly designed for meeting critical aspects of Power system requirements which primarily includes uninterrupted or flashing restoration of Power supply along with DG and circuitry protection for an infrastructure of social or commercial values and repute (like Hospitals , Malls , Multistoried residential societies, Hotels, Telecommunication sectors and Industries with varied loads of power implementation) D.G. Synchronization panels work both manually and with an automatic synchronizing function using PLC for two or more generators or breakers. They are pre-dominantly used in electro-mechanical synchronizing of Diesel generators and provide multiplex solutions.

DIGITAL AUTOMATIC SERVO VOLTAGE STABILIZER



LINEAR TYPE



DIMMER TYPE

A voltage stabilizer is designed in such a way that it can maintain a stable voltage level to ensure constant power supply even if there are any changes or fluctuations in the voltage supply to protect the machines, equipment's & appliances.

Servo Voltage Stabilizer Benefits –

REDUCTION IN BREAKDOWN OF ELECTRICAL EQUIPMENTS: 60- 80% depending upon the Input Voltage Variation and working hours of the plant.

ENERGY SAVING: 5-10% depending upon the Input Voltage variation and working hours of the plant.

IMPROVEMENT IN POWER FACTOR: There will be definite improvement in the power factor by 10-15% after the installation of the equipment.

POWER/DISTRIBUTION TRANSFORMER



Uses/Applications of Distribution Transformer

- The uses of the distribution transformer include the following.
- This transformer changes from high voltage electricity to low voltage electricity, used in homes & businesses.
- The main function of this is to step down the voltage to provide isolation between two windings like primary & secondary
- This transformer distributes the power to remote areas which are generated from the power plants
- Generally, this transformer distributes the electrical energy to industries with less voltage under 33KV and 440volts to 220volts for domestic purposes.

11/33 KV HT VCB PANEL



HT VCB Control Panels

11/33KV Vacuum Circuit Breaker Indoor/Outdoor Type Panel that is used for the protection of transformer.

Advantages of VCB

- The vacuum circuit breaker has a long life.
- Unlike Oil Circuit Breaker (OCB) or air blast Circuit Breaker (ABCB), the explosion of VCB is avoided. This enhances the safety of the operating personnel.
- No fire hazard
- The vacuum CB is fast in operation so ideal for fault clearing. VCB is suitable for repeated operation.
- Vacuum circuit breakers are almost maintenance free.
- No exhaust of gas to the atmosphere and Noiseless operation.

PNG/DIESEL GEN. SET



Diesel Gensets remain the preferred back-up power solution for industrial users worldwide. Although alternate back-up solutions have emerged in the past few years, diesel gensets remain the top-choice for industrial customers due to their time tested durability, reliability and performance.

Industrial Diesel Generator Applications & Uses

- Mining
- Healthcare
- Commercial
- Oil & Gas.
- Construction
- Manufacturing
- Telecommunications And Data Centers
- Utilities
- Education
- Military

CSS (COMPACT SUBSTATION)



Compact substations are used for energy transformation in secondary distribution network from MV to LV or LV to MV.

CSS is a type tested and arc tested assembly comprising an enclosure containing medium voltage (MV) switchgear, distribution transformers, low voltage (LV) switchboards, connections and auxiliary equipment to supply low voltage energy from medium voltage systems. These substations are typically installed in locations accessible to the public and ensure protection for all people according to specified service conditions.

ON GRID SOLAR POWER PLANT



Advantages of Solar Energy

Renewable Energy Source. Among all the benefits of solar panels, the most important thing is that solar energy is a truly renewable energy source.

Reduces Electricity Bills. Since you will be meeting some of your energy needs with the electricity your solar system has generated, your energy bills will drop.

Diverse Applications. Solar energy can be used for diverse purposes. You can generate electricity (photovoltaics) or heat (solar thermal).

Low Maintenance Costs. Solar energy systems generally don't require a lot of maintenance.

Our services



AMC Service for :

- LT Panel
- HT Panel
- Transformer
- DG Set
- Servo
- Solar

Etc.



Repair & Maintenance
Service for :

- LT Panel
- HT Panel
- Transformer
- Servo

Etc.

Our services

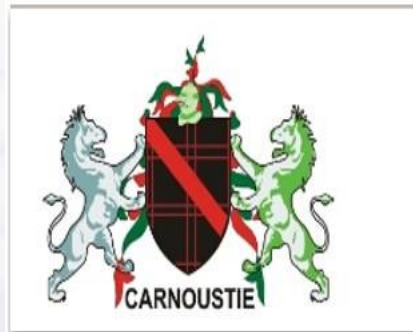
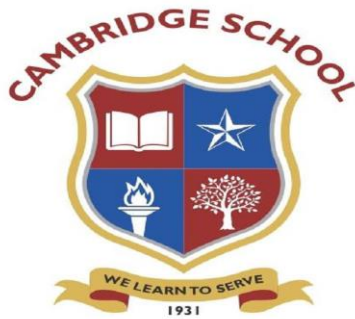


Installation Service for :

- LT Panel
- HT Panel
- Transformer
- DG Set
- Servo

Etc.

Our Clients



DPS INDIRAPURAM

Under the aegis of DPS Society, New Delhi, East of Kailash



MORIROKU TECHNOLOGY COMPANY, LTD.



A. R. HOSE PVT. LTD.



Our Clients

LIOHA ELECTRICS PRIVATE LTD

FILO DESIGN PRIVATE LIMITED

CONISTON DEVELOPERS PVT. LTD.

INTECH DIGITAL TECHNOLOGY INDIA PVT. LTD.

FILO DESIGN PRIVATE LIMITED

Thanks

Do you have any inquiry?

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