

P2 POWER SOLUTIONS PVT. LTD. IS A CREDIBLE NAME IN THE MARKET. WE MANUFACTURE, SUPPLY, AND EXPORT DIFFERENT TYPES OF PRODUCTS LIKE ACTIVE HARMONIC FILTER, 3-LEVEL ACTIVE HARMONIC FILTER, MULTI-LEVEL ACTIVE HARMONIC FILTER, HYBRID POWER FACTOR CORRECTION PANEL, DYNAMIC VOLTAGE REGULATOR, SERVO STABILIZER, AND MANY MORE. FOR THE PRODUCTION OF THESE PRODUCTS, WE USE THE FINEST QUALITY RAW MATERIALS THAT MAKE THEM RELIABLE AND LONG LASTING. THE QUALITY OF ALL THESE PRODUCTS IS CHECKED ON SEVERAL PARAMETERS BY OUR EXPERTS. THEY MAKE SURE THAT NO DEFECTIVE PRODUCT GETS SUPPLIED FROM OUR END. MOREOVER, WE ALSO OFFER DIFFERENT TYPES OF SERVICES LIKE IT / ITES INDUSTRIES SOLUTION, AUTO WELDING INDUSTRIES SOLUTION, TEXTILES SPINNING INDUSTRIES SOLUTION, TEXTILES WEAVING INDUSTRIES SOLUTION, AND MAN



## P2 Power Solutions

An ISO 9001:2008 & OHSAS 18001:2007 Company



[www.p2power.co.in](http://www.p2power.co.in)

P2 Power Solutions Pvt. Ltd. is a credible name in the market. We manufacture, supply, and export different types of products like Active Harmonic Filter, 3-Level Active Harmonic Filter, Multi-Level Active Harmonic Filter, Hybrid Power Factor Correction Panel, Dynamic Voltage Regulator, Servo Stabilizer, and many more. For the production of these products, we use the finest quality raw materials that make them reliable and long lasting. The quality of all these products is checked on several parameters by our experts. They make sure that no defective product gets supplied from our end. Moreover, we also offer different types of services like IT / ITES Industries Solution, Auto Welding Industries Solution, Textiles Spinning Industries Solution, Textiles Weaving Industries Solution, and many more. For rendering these services we have hired a team of skilled and qualified staff members, who are backed by years of experience. They use modern as well as traditional equipment for rendering the services.

Located in Noida (Uttar Pradesh, India), P2 Power Solutions Pvt. Ltd. is widely appreciated by the customers as it facilitates them with easy payment options and client servicing policies. Our company was established in 2006 and it has been flourishing under the guidance of our mentors.

## The Staff

All the staff members working in our company are highly-qualified and have a great experience of their designated jobs. They are dedicated to their work and makes sure that every job assigned to them is executed with perfection.

## Quality Assurance

All the products that we deal in are appreciated for their quality and we work hard to maintain that. In order to ensure the quality, we have hired a team of diligent quality inspectors, who check the quality of the products thoroughly. They make sure that only the finest quality products are supplied from our end.

## Active Harmonic Filter

### Features

- Fast 32 bit digital signal processor
- Synchronous Rotating Frame Principal for best performance
- Ultra fast compensation
- Proven performance on welding
- Harmonic Attenuation of more than 96%
- Selective Harmonic compensation
- Leading/Lagging Reactive Power Compensation



## 3-Level Active Harmonic Filter

### Features

- Fast 32 bit digital signal processor
- Latest 3-Level NPC2 converter architecture
- Advanced RCT snubber with Active Damping
- Synchronous Rotating Frame Principal for best performance
- Ultra fast compensation
- Proven performance on welding
- Harmonic Attenuation of >98%



## Multi-Level Active Harmonic Filter

### Features

- Fast 32 bit digital signal processor
- Multi-Level converter architecture
- Direct Connection to 575V and 690V loads
- Synchronous Rotating Frame Principal for best performance
- Ultra fast compensation
- Proven performance on welding
- Harmonic Attenuation of >98%



## Hybrid Power Factor Correction Panel

### Features

- Fast 32 bit digital signal processor
- Synchronous Rotating Frame Principal for best performance
- Ultra fast compensation
- Proven performance on welding
- Selective Harmonic compensation
- Step-less Reactive Power Compensation
- Negative Sequence Compensation (load balancing)



## Detuned Reactor

### Features

- Special design for reduced heating
- Vacuum Impregnated
- Rugged design for harsh environments
- Thermal protection against over temperature
- Low Noise



## Dynamic Voltage Regulator

### Features

- No step changes in voltage
- Instantaneous & Continuous voltage regulation
- Unbalance voltage correction
- No risk of voltage surge
- Extremely accurate output voltage regulation over a wide range of input
- No moving parts. No risk of wear & tear
- Uses IGBTs to eliminate sparks or noise



## Servo Stabilizer

### Features

- Distortion less stabilizer which ensures safety of electrical equipment from the impact of voltage fluctuations and unbalanced voltage
- Based on the principle of sine-wave superimposition
- Efficiently bucks or boosts the incoming voltage by superimposing a variable voltage
- Saves energy
- Available with air cooled as well as oil cooled



## Power Quality Study Service

Since incorporation in 2006, P2 Power Solutions Pvt. Ltd. has been rendering a variety of power quality services. We operate from Noida (Uttar Pradesh, India) and render end-to-end solutions by examining the system, locating the source of problem and making appropriate corrections to make your system run at its peak efficiency. We charge reasonably for our services. So, turn to our services and enhance the efficiency & reliability of your facility.

## Energy Audit Service

P2 Power Solutions Pvt. Ltd. is a bankable name when it comes to energy audit. The company is based in Noida (Uttar Pradesh, India) and we have been serving energy requirements of the clients since 2006. With our services, we establish pattern of energy use; identify how & where losses are occurring. Based on this data, we suggest engineering solutions to enhance energy efficiency in the system studied. So, to schedule an appointment with us, ring us on the given numbers.

## Thermography Study Service

Thermography is a technique that is used for analyzing the characteristics of an object from its infrared image. Thermography allows us to see heat energy radiated by objects. SO, if you are seeking professional support for conducting thermography study of any object, look no further than P2 Power Solutions Pvt. Ltd. We are based in Noida (Uttar Pradesh, India) and we render precise solutions complying with the codes of the industry. So, share your needs and requirements, we assure to attain optimum quotients.

## Arc Flash Study Service

Arc flash is the very high temperature discharge that is produced by an electrical fault like short circuit fault, or abrupt failure of an insulator. This high temperature can be dangerous for the worker's health. If you are seeking professional support for arc flash study, contact only. At P2 Power Solutions Pvt. Ltd., we are a group of engineers and trained professionals with arc flash analysis software at their fingertips. With our services, we conduct arc flash hazard assessment and determine the arc flash boundary & risk category. To schedule an appointment, reach us through our contact us page. We are based in Noida (Uttar Pradesh, India).

## Micro Inverter Solution

Micro inverter is a plug-and-play device. It is meant to convert direct current into alternating current. If you are seeking professional support for micro inverter solutions, look no further than P2 Power Solutions Pvt. Ltd. The company is based in Noida (Uttar Pradesh, India) and we provide solutions keeping the client's functional needs in mind. Whether you seek solutions for micro inverter designing, operations, maintenance or repairing works, we provide solutions for everything. So, contact us anytime.

## Custom Solar Solution

P2 Power Solutions Pvt. Ltd. is a bankable name, involved in providing custom solar solutions to clients across the nation. We are based in Noida (Uttar Pradesh, India) and we render personalized solutions for solar panel, plants, and products among others. Our work diligence and dedication towards complete client satisfaction are the reasons behind our worldwide recognition. With our services, we work on the provided details and make use of modern work methods to render precise solutions.

## Solar EPC Solution

We are a renowned name, offering fully-integrated solutions for a variety of solar EPC works. At P2 Power Solutions Pvt. Ltd., we are a group of individuals, who work together to provide end-to-end solutions. With our services, we take care of engineering & design, manufacturing, material procurement, project management and commissioning. Besides, we provide solutions for operation & maintenance on demand. The company is based in Noida (Uttar Pradesh, India) and we customize our services as per the individual's functional needs. So, contact us anytime.

## Custom Solutions

**We often custom engineer products for applications with unique requirements. Our range of custom solutions include the following**

- Unified Power quality conditioner (UPQC) - a complete solution which offers the advantages of P2P AVC and also P2P AF technology together. A one stop solution for all voltage or current related power quality issues.
- Bi-Directional Conditioners (BDC)-smooth AC to DC conversion using IGBTs. Input harmonics are <3% and is especially useful when DC output is used to power regenerative loads.



## IT / ITES Industries Solution

### Typical Challenges

- Failure of expensive electronic cards
- Overloading and heating of neutral conductor
- Data loss due to sudden outages and down-time

### Root Cause Analysis

- High harmonic distortion generated by UPS, Rectifiers, VFDs, Battery Chargers as main reason of electronic cards failure
- Single phase SMPS, lighting loads as major source of high neutral current



## Auto Welding Industries Solution

### Typical Challenges

- Extremely fast fluctuating load profile iTDD exceeding limits set as per IEEE standard Low PF (both leading and lagging)
- High load unbalance
- Increased losses due to high harmonics
- Failure of welding transformers
- Tripping of relays, protective circuits etc.



## Textiles Spinning Industries Solution

### Typical Challenges

- Periodic failure of expensive electronic cards and therefore abrupt tripping of continuous spinning machines
- Low grade quality of yarn thread due to interruption in power supply
- Increased losses due to high harmonic distortion
- Varying load profile thus making traditional power factor correction solution ineffective in maintaining true power factor close to unity (lagging)



## Textiles Weaving Industries Solution

### Typical Challenges

- Presence of high harmonic distortion, iTDD exceeding standard limit specified by IEEE
- Low true power factor
- Increased losses due to high harmonic distortion
- Occasional failure of sensitive electronic cards, malfunctioning of control circuits and therefore abrupt tripping of continuous weaving machines



## FMCG Industries Solution

### Typical Challenges

- Presence of high harmonic distortion, iTDD exceeding standard limit specified by IEEE
- Recurrent failure of expensive electronic cards, frequent failure of AC capacitor banks and malfunctioning of control circuits
- Production down-time due to halt in operation of continuous machines
- Inflated monthly electricity bills due to low power factor (true)



## Printing Industries Solution

### Typical Challenges

- Recurrent tripping and malfunction of printing machine (city line/high line)
- Low power factor
- Increased losses due to high harmonic distortion and low power factor
- Interruption in operation of continuous printing machines

### Root Cause Analysis

- High level of harmonic distortion generated by AC/DC drives at city line machine identified as main reason of tripping related issues
- Low power factor (true) due to high harmonic distortion and use of DC drives



## Construction Industries Solution

### Typical Challenges

- Hunting of Diesel Generator even at partial loading condition
- Heating of DG alternator
- Low power factor leading to increased reactive stress

### Root Cause Analysis

- Complex load profile of heavy construction machines such as crane and welding demanding high reactive power which DG sets are not designed to supply
- Increased reactive stress on DG due to sudden spikes/jerks in reactive power



## Hospitality Industries Solution

### Typical Challenges

- Flickering and failure of lighting fixtures
- Interrupted operation of lifts/elevators
- Overloading and burning of neutral conductor

### Root Cause Analysis

- High harmonic distortion generated by large chiller units, lifts/elevators and lighting loads
- Fluctuating load profile and sudden reactive jerks of lifts/elevators



## Pharma / Chemical Industries Solution

### Typical Challenges

- Failure of sophisticated testing machinery and micro-processor controlled sensitive equipment
- Discontinued operation of crucial process such as synthesis, fermentation, milling and granulation
- Interruption in crucial drug formulation process

### Root Cause Analysis

- High harmonic distortion generated by automated machinery and drives basically employed in manufacturing plant, chiller plant and utility plant



**CONTACT  
US**



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