

What services we offer?

For Inquires:
Contact / WhatsApp number: +971 50 910 9634
Email: service@pi-dubai.com
24/7 hotline : +971 50 210 5185

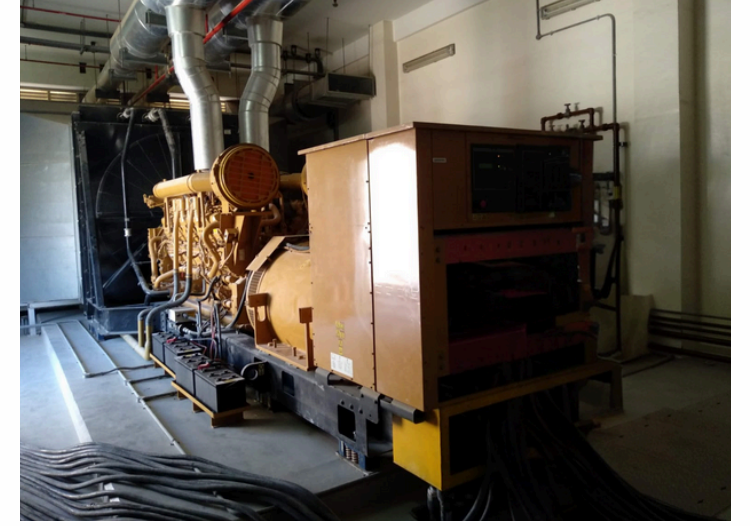
24/7 On- call services



Generator Maintenance and AMC for more information - page 2



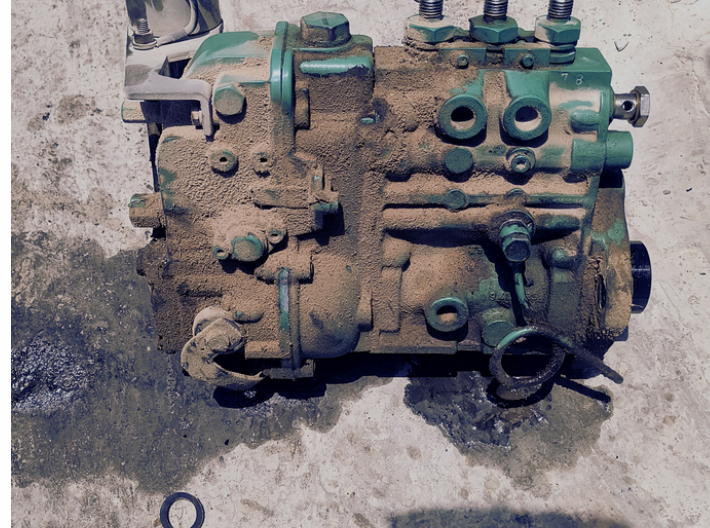
Generator Installation and fabrication works for more information page 3



External Load bank testing Rental for more information page 4



Fuel, Oil , Coolant, emission, vibration and sound test for more information page 5



Spare Parts Servicing and Machine refurbish for more information page 6



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Electrical works and Controller installation with programming for more information page 8



Testing and Commisioning for more information page 9



Extended Warranty for more information page 10

What products we offer?

Generator Spare parts



what brands we offer?



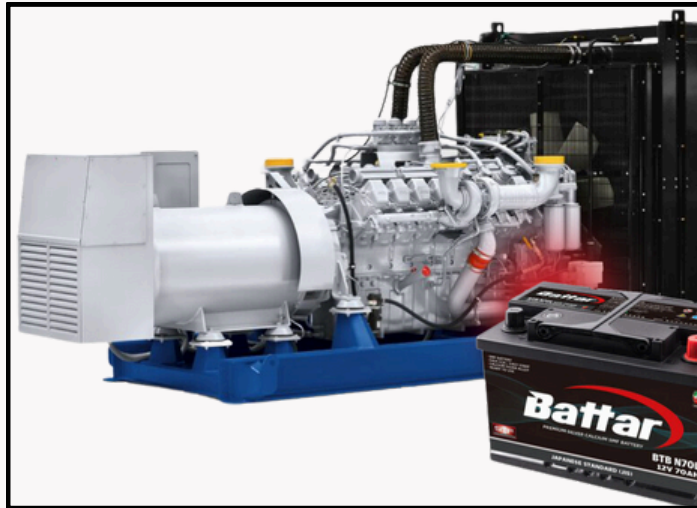
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Controller and Battery Chargers



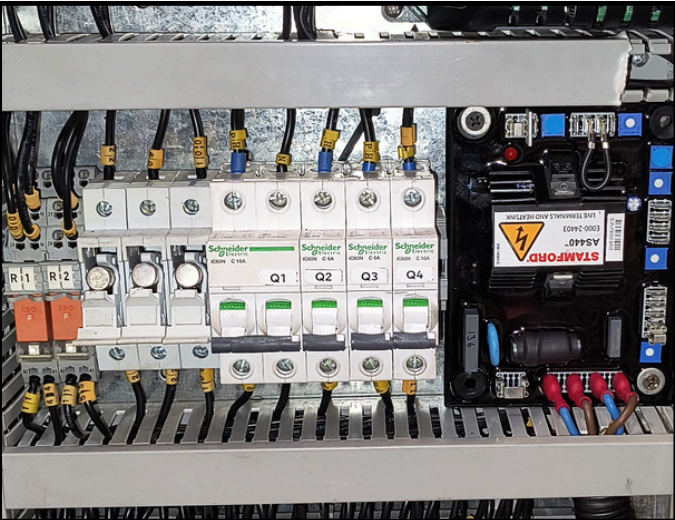
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Maintenance free Batteries



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Electrical Parts



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Consumables - Engine oil, Diesel and coolant



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Generator Maintenance

with 24/7 On-call services

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PRECISION INDUSTRIES® provides preventative maintenance for diesel engine generators to increase reliability, decrease repairs, and lower long-term expenses. We can ensure that your backup generator solution will start and run when you need it most by following widely accepted diesel maintenance methods and specific manufacturer recommendations.

Annual Maintenance Contract - AMC

What contracts we offer?

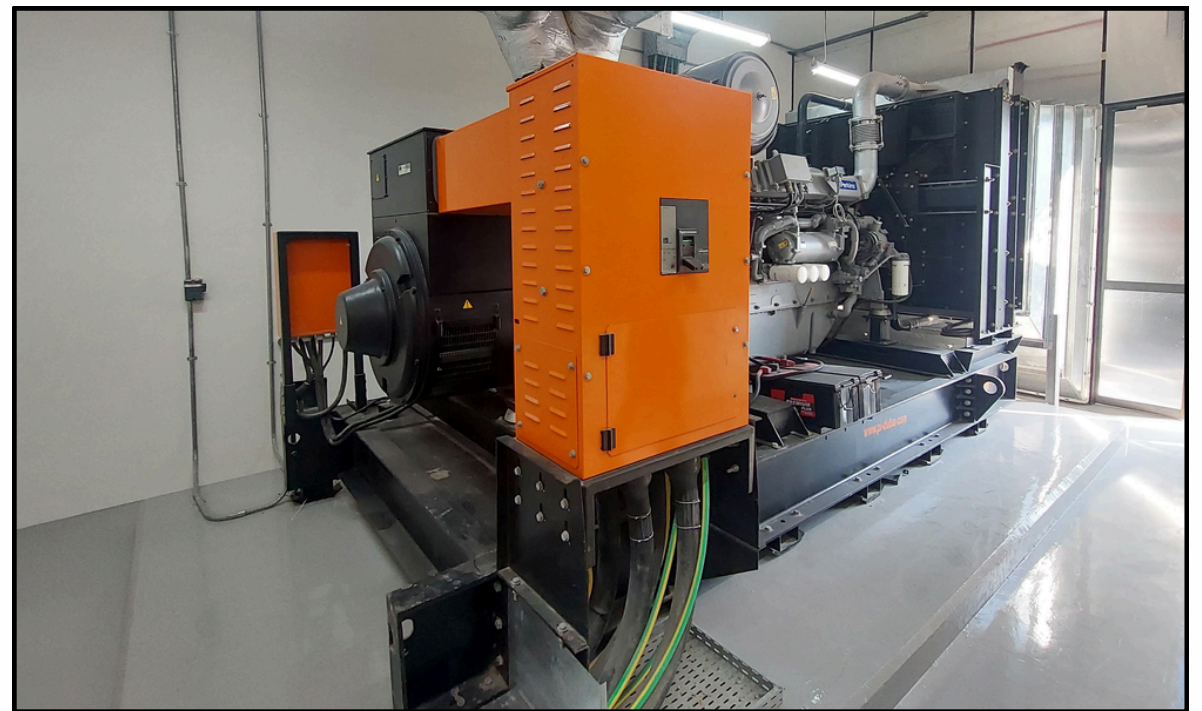
- Semi-comprehensive Contract
- Comprehensive contract
- Non-comprehensive contract

flexible offers:

- Customized AMC contract
- Limited to Unlimited Call outs

Types of contracts per frequency:

- Quarterly Visits (3 minor + 1 major)
- Monthly Visits (11 minor + 1 major)
- Semi-Annual Visits (1 minor + 1 major)



Customer Training

To extend our support to our valuable customers, we are offering training with our Annual maintenance contract

which includes the below:

- Basic generator operation and maintenance activities.
- Safety procedure
- Extensive generator maintenance and troubleshooting techniques

Customer generator training involves training users on proper operation, routine maintenance, safety precautions, and troubleshooting techniques in order to ensure efficient and reliable generator performance.

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What do we offer?

- Muffler / Silencer
- Exhaust works
- Fuel tank fabrication and installation
- Insulation works
- Cladding works
- Fuel lines
- sound attenuator

Generator Installation and Fabrication Works



Sound Attenuator

Businesses and individuals can use generators next to each other and ensure a secure and tranquil environment for all by installing sound attenuators.



Muffler/ Silencer

The sound waves produced by the engine's exhaust gasses are reduced through the installation of a muffler, creating a nicer and more comfortable environment.



Cladding works

Thermal insulation, noise reduction, extra an extra layer of safety while considering site requirements in selecting the insulation materials with protective cladding.



Electrical Installation

Site Assessment and Planning, Power cable connections, Using appropriately sized cables and connectors, installing the Auto Transfer Switch, Connecting the control cables in and out of the generator to the ATS .



Fuel Tank

Tank selection, capacity and type, compliance with standards, tank installation, positioning and security, and finally monitoring and control.



Fuel Lines Installation

Fuel line material selection, sizing, and routing; its connections and fittings; and extra layers of protection by filters, strainers, and shut-off valves, led by our safety and compliance.



Exhaust works

Selecting and installing an exhaust pipe that meets the generator's standards, taking into account aspects such as diameter and material, routing the pipe away from occupied spaces and combustible materials, and so on, will improve the generator's performance.



Generator Placement and Foundation

Environmental considerations, safety, compliance, foundation preparation, mounting and anchoring, grounding, and more are part of our generator installation services.

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What We offer:

Load bank testing
(20KVA to 3000KVA)

Resistive / Reactive Load bank/s

Flexible Timing suitable for your
needs (night, day, from 1 hour to
Extended period required)

Cable laying

Load bank Operator/ technician

Load test certificate

External Load Testing and Rental 20KVA to 3000KVA



Load bank testing is an essential approach for determining the performance and dependability of standby generators.

This testing method involves connecting a load bank to the generator to simulate electrical loads, allowing for an assessment of the generator's capability to handle actual-life demand.

Load bank tests allow operators to identify potential issues such as fuel inefficiencies, battery problems, and cooling system failures before they cause unexpected downtime.

Regular load bank testing ensures that generators are in optimum operating condition, giving you confidence that the backup power will be there when it is needed the most. This proactive strategy not only increases the generator's lifespan, but also improves the overall reliability of critical electrical systems.

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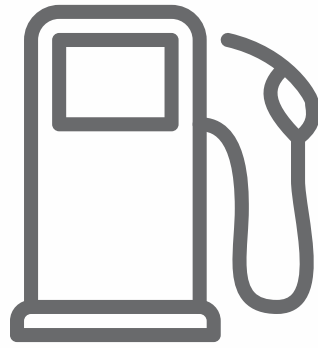
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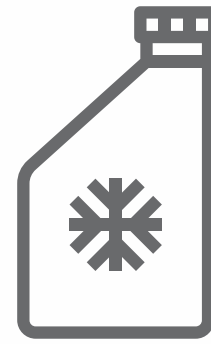
- Fuel test
- Coolant Test
- Engine oil test
- Emission test
- Vibration test
- back pressure test
- sound level test
- Megger test
- Load test

Performance tests for Generator



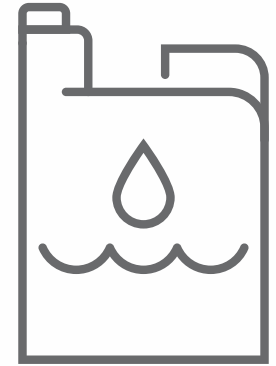
Fuel Testing

Fuel testing involves analyzing the fuel for contaminants, assuring correct content and quality, and verifying that it meets the required and known Generating established specifications for optimal engine performance and efficiency.



Coolant Testing

Coolant testing involves checking the coolant's concentration and contamination to assure an efficient cooling system.



Engine Oil Testing

Engine oil testing involves analyzing the oil for contaminants, viscosity, and wear metals in order to evaluate its state, determine whether it needs to be replaced, and ensure that it adequately lubricates and protects engine components.



Emission testing

Emission testing measures pollutants and gases from the generator exhaust system to ensure compliance with environmental regulations and efficient generator operation.



Vibration Testing

Generator vibration testing measures vibrations to detect imbalances, misalignments, or mechanical-related issues affecting the generator's performance.



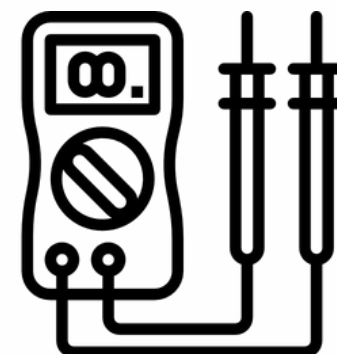
Back pressure Testing

Generator back pressure testing measures exhaust system pressure to ensure it's within the manufacturer's acceptable limits, maintaining optimal engine performance and preventing damage.



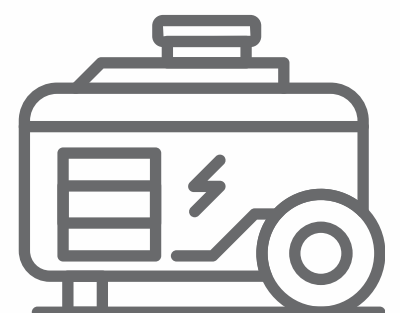
Noise level Testing

Generator noise testing measures the noise levels to ensure compliance with acceptable standards and assess the requirement for noise reduction.



insulation resistance testing

Megger testing, also known as insulation resistance testing, is required for generators to assure the integrity and reliability of their electrical insulation. It identifies insulation degradation, prevents electrical failures, and ensures safety.



External Load Testing

External load bank testing simulates full-load conditions to verify the generator's performance, stability, and efficiency.

Spare Parts Servicing

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What do we offer?

Services for mechanical and Electro-mechanical parts.

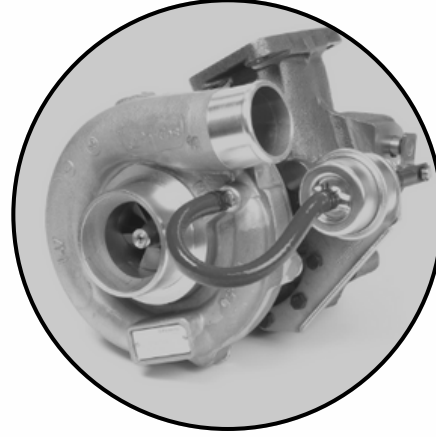
including the below but not limited:

- Injector
- Motor
- Radiator
- Turbo charger
- Dynamo
- Fuel pump
- ECM



Injector

Diesel generator fuel injectors need to be serviced in order to maintain optimal performance, improve efficiency, reduce emissions, prevent engine damage, ensure proper operation, and extend injector life.



Turbo charger

Servicing the turbocharger in diesel generators is essential for maintaining boost pressure, response time, improving fuel efficiency, reducing emissions, and extending the turbocharger's life.



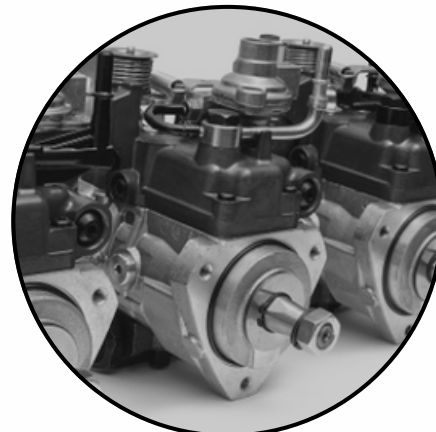
Radiator

Servicing the radiator in diesel generators is crucial to preventing overheating, optimal performance, extending engine life, avoiding coolant contamination buildup, detecting and repairing leaks, and enhancing safety.



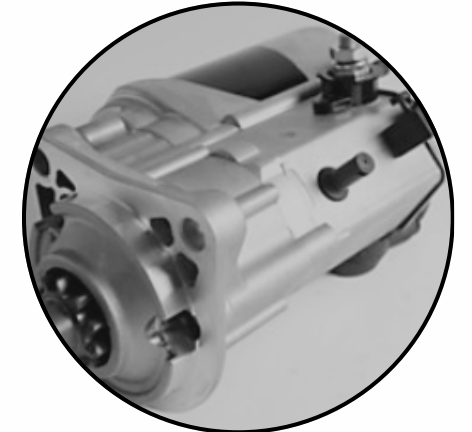
charging alternator (Dynamo)

Servicing the charging alternator in diesel generators is crucial for maintaining a consistent charging power supply, avoiding electrical failures, increasing alternator life, and assuring battery health.



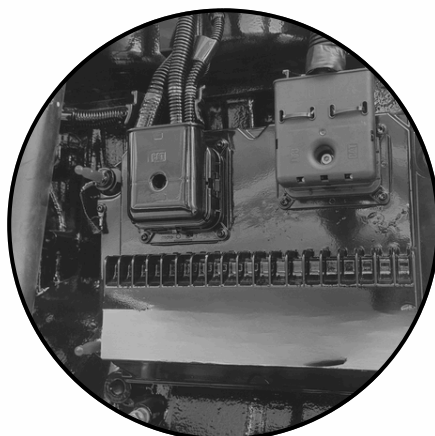
fuel pump

Servicing the fuel pump in diesel generators is crucial for ensuring efficient fuel delivery, preventing fuel leaks, avoiding contaminants, consistent operation, and extending the fuel pump's life.



Starter Motor

starter motor servicing involves inspecting and cleaning electrical connections, checking brushes and bearings for wear, and ensuring the solenoid and armature work properly for reliable engine starting.



Calibration and re-rating for ECM

ECM calibration involves adjusting the engine control module settings to optimize engine performance, fuel efficiency, and emissions based on specific requirements and operating conditions.

Engine Overhauling and Alternator Service

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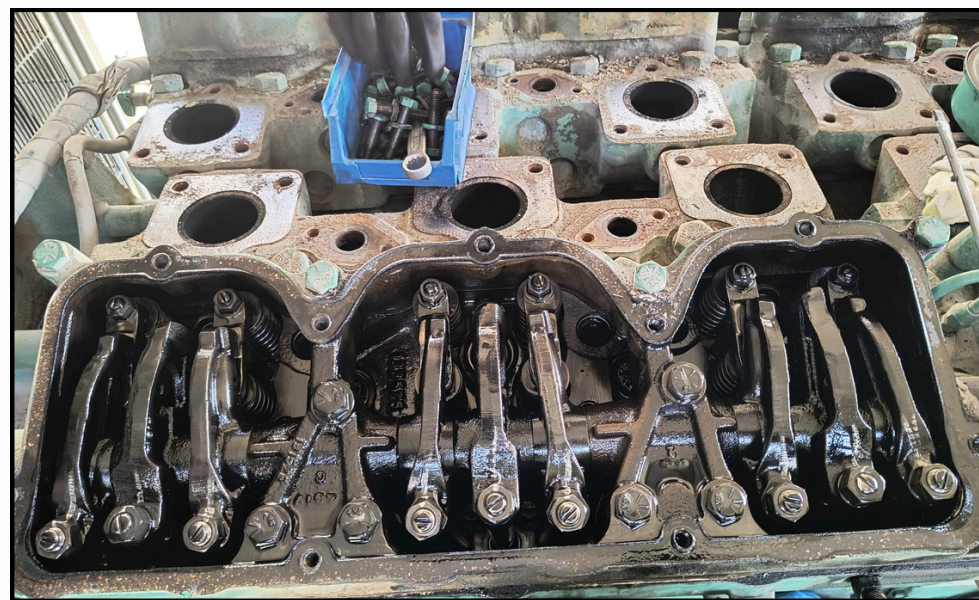
What do we offer?

Engine Overhauling

- Top engine
- Bottom engine
- whole Engine

Alternator Overhauling

- Replacement of mechanical parts
- Replacement / retrofitting of AVR
- Replacement of Rectifier set
- Trouble shooting



Engine Overhauling Services:

- Top Engine Overhauling
- Bottom Engine Overhauling
- Whole Engine Overhauling

Alternator Servicing:

- Replacing Worn Brushes
- Replacing or Repairing Bearings
- Rectifier (Diode set) Replacement
- Voltage Regulator Replacement (DSE, Meccalte, Stamford, Leroy somer brands)
- Cleaning or Replacing Slip Rings
- Repairing or Rewinding Stator and Rotor Coils
- Addressing Electrical Connections
- Internal Cleaning

Diesel generator overhauling involves inspecting, disassembling, cleaning, replacing the needed parts, and reassembling the engine to restore its optimal performance and extend its lifespan. The process includes checking and measuring components for wear, replacing or reconditioning damaged parts, and ensuring all systems are properly reconnected and calibrated. Benefits of overhauling include improved reliability, performance, and the prevention of costly breakdowns. It is typically performed after a specified number of operating hours or when performance issues arise as part of regular maintenance.



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Electrical works and Controller installation with programming



At **PRECISION INDUSTRIES®**, we understand the needs for modifying, replacing or upgrading your existing generator control system.

We offer controller installation, programming, and calibration, specializing in the DSE brand.

We also offer retrofitting of obsolete controllers to new DSE controllers.

We offer an exclusive package that includes rewiring and programming.

We also offer also the below:

- Troubleshooting and Repair of electrical parts.
- Installation and fabrication of new electrical panel
- Controller installation and programming
- Replacement and supply of electrical parts
- Rewiring and Assembly



Testing and Commissioning

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At **PRECISION INDUSTRIES®**, we prioritize honesty and integrity when it comes to the performance of our products. To ensure that our generators work efficiently and reliably, our specialized team conducts commissioning and testing at the installation site.

During the commissioning process, our team will simulate a power failure and test the generator's ability to engage and deliver the required power. This on-site load testing is crucial in verifying the functionality and performance of the generator.

Additionally, we offer load bank testing for generators both on-site and at our premises. Our comprehensive testing procedures cover various aspects, including the performance of generator sets, exhaust silencers, lube oil makeup systems, and more.

By conducting thorough commissioning and SAT, we guarantee that our generators are fully operational and capable of meeting your power needs. If you require any assistance or have any inquiries, please contact our Service Coordinator at +971 50 210 5185.



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Extended Warranty

At PRECISION INDUSTRIES®, we offer extended warranty policies for our generators to guarantee that our generators are capable of maintaining optimal operations within their operation period, reducing downtime, and eliminating inconveniences and headaches associated with unexpected component failures.

Our extended warranty policy covers the replacement of defective components in accordance with the manufacturer's policy. It also includes coverage for labor and travel charges, ensuring that any necessary repairs or replacements are handled efficiently and without additional financial burden.

To inquire about our extended warranty options or to discuss the specific terms and conditions, please contact our Warranty Officer at +971 4 338 40 33. You can also reach out to our dedicated hotline at +971 502 105 185. We are here to assist you and provide the best warranty solutions for your generators

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Generator Spare Parts



At PRECISION INDUSTRIES®, we understand the importance of using genuine spare parts to ensure the optimal performance and longevity of your DG Set. That's why we offer a comprehensive range of genuine consumables and replacement parts for most models of industrial generators.

Consumables 250 hrs to 2000 hrs kit

- Air filters
- Oil filters
- Fuel filters
- Fan belts

Alternator Spare parts

- AVR
- Diode and Rectifier
- Exciter
- Stator
- and more

Engine Spare parts

- Starting motor
- Injector
- alternator
- Seals
- Bearings
- Gasket
- Lift pump
- Actuator
- MPU
- and more

Generator Accessories:

- AVM anti vibration mount
- Rain cap
- oil sensor / water temp sensor / pressure sensor
- Water jacket heater
- spring isolator
- volt meter/ ammeter
- Breaker

what brands we offer?



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Generator Controller and battery charger



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DSE Controller :

- DSE 8610
- DSE 8620
- DSE 7320
- DSE 3110
- DSE 890
- 4G GPS antenna
- DSE 3110

DSE Battery Charger

- DSE 9470 - 12/24 V-10A
- DSE BC1205
- DSE BC 2405

ComAP Controller

- Intelite
- Inteli Compact
- Inteli Gen
- Intelisys

Meccalte Controller:

- AMF control panel
- parallel controllers
- Ats controller
- Hybrid controller

ENKO Battery charger

- EBC1205
- EBC1210
- EBC2405
- EBC2410
- EBC2420

what brands we offer?



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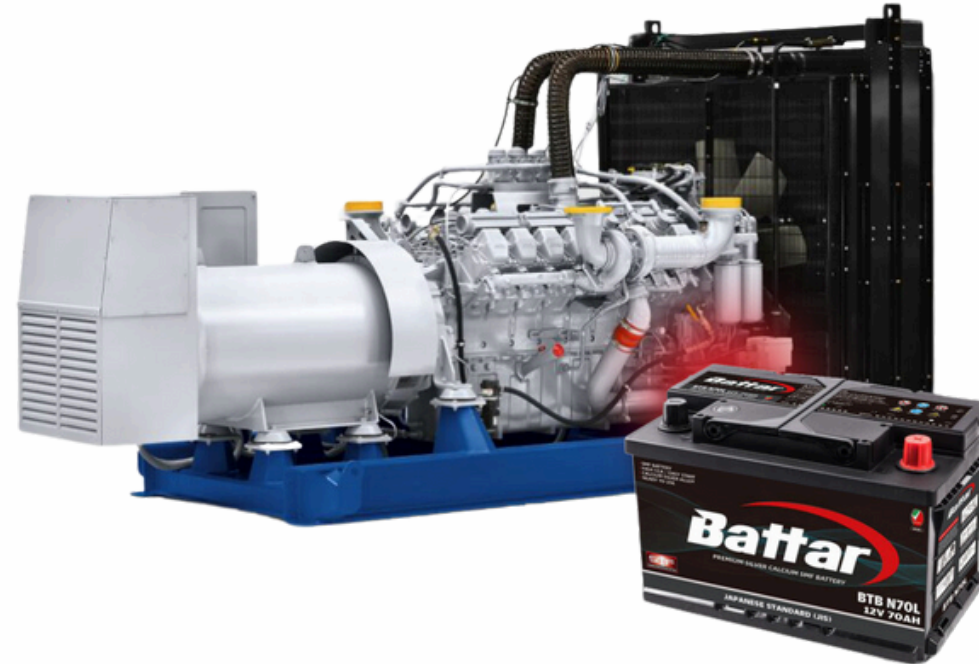
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Maintenance and Maintenance-free Batteries



Batteries in generators are crucial for starting the engine, providing power to the control systems, and ensuring reliable operation during startup. They also help maintain the generator's readiness and performance by supplying energy when the generator is not running.

We offer Maintenance- free and maintenance battery with **1 year warranty**

Battery Capacity:	Catalog link for Battar	Additional Services:
• 70 AH - 12v	• BTB N70L	• Battery testing
• 100 AH - 12v	• BTB N100	• Electrolyte refill
• 150AH - 12V	• BTB N120	• Maintenance
• 200AH - 12V	• BTB N150	• replacement
	• BTB N200	
	• Battar Catalog	

what brands we offer?



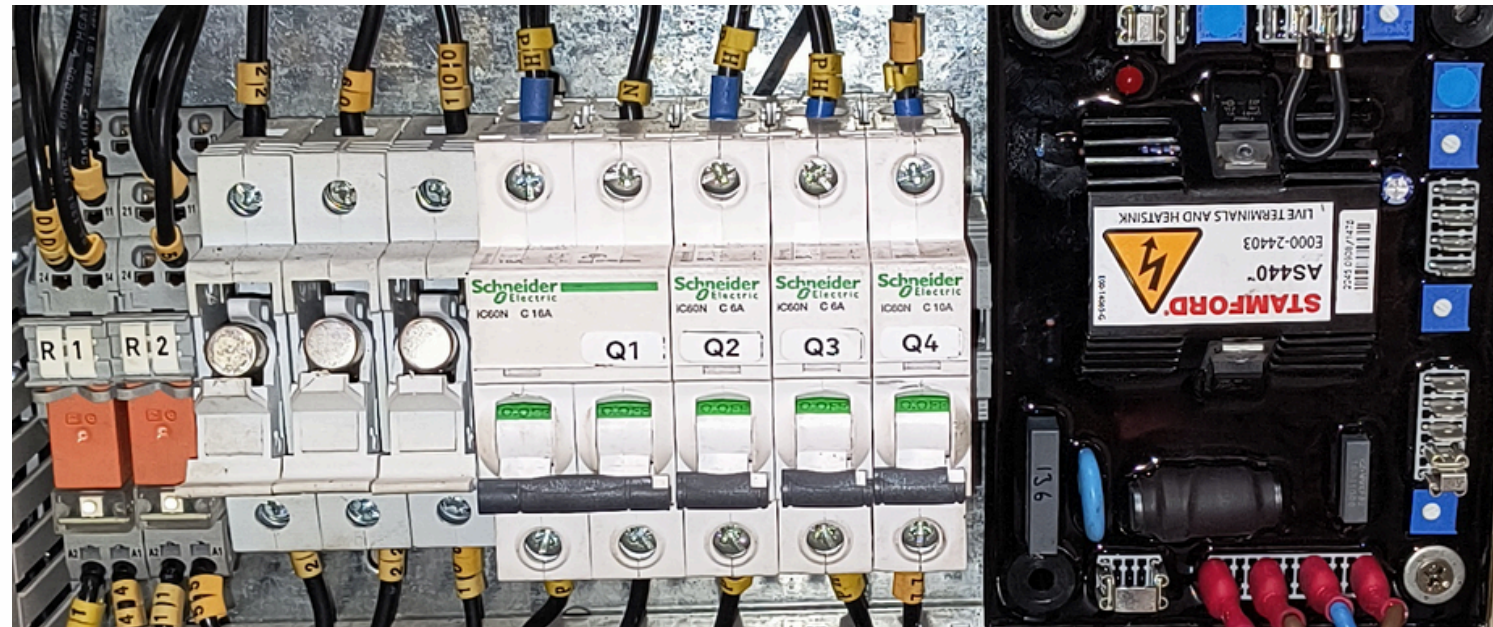
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Electrical parts



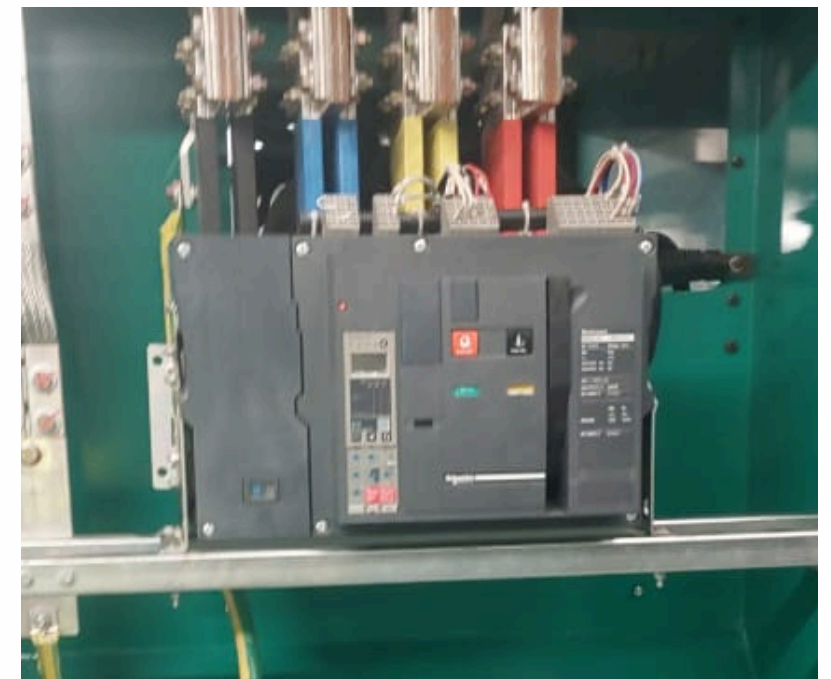
The electrical components of the generator are essential. Protection, Regulator and controls are important in the Generator application. We in Precision industries, can supply wide variety of ranges.

Electrical parts

- Breakers (MCB, MCCB, etc.)
- CT Current transformer
- Relays
- push buttons
- Fuse and fuse box
- Voltage regulator
- Contactor
- breaker accessories
- Bus bar
- Cable gland
- Cable lugs
- Cables
- water heater jacket
- oil pressure sensor
- Temperature sensor
- fuel level sensor
- insulation

Additional services:

- troubleshooting
- installation
- Panel fabrication
- re-wiring



what brands we offer?

Schneider
Electric

ABB

LS ELECTRIC

VDO 

RR KÄBEL

MURPHY

WAGO

Lovato
electric

SIEMENS

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Consumables -Engine Oil, Coolant and Diesel



Generator consumables, such as engine oil and coolant, are essential for maintaining the performance and longevity of a generator. Engine oil lubricates moving parts to reduce friction and wear, while coolant regulates the engine's temperature to prevent overheating. Regularly monitoring and replacing these consumables helps ensure the generator operates efficiently, reduces the risk of breakdowns, and extends its service life.

Consumables :

Engine Oil

- Valvoline 15w40 208L
- Valvoline 15w40 20L
- Valvoline premium blue 208L
- Valvoline premium blue 20L

Coolant :

- Fleet Guard Coolant Anti-freeze premix 1000L
- Fleet Guard Coolant Anti-freeze premix 20L

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