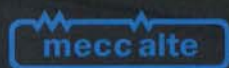


*Power your mission*

**Correct VOLTAGE**  
**Continuous Power**



[www.voltagenerators.com](http://www.voltagenerators.com)



## INTRODUCTION

Volta Generators FZC, located at Sharjah Hamriyah Free Zone, UAE. is a power engineering company engaged in the manufacturing of diesel generators, lighting towers, ATS Panels, Synchronizing Panels etc.

## OUR MISSION

Volta Generators FZC were founded by its current Managing Director along with it, one very clear and well-defined philosophy was also established:

"To offer a wide range of diesel generating sets of outstanding quality and which would meet the client's needs."

## WHAT WE OFFER

We are offering Diesel Generator Sets from 9 kVA to 2250 kVA in single unit and higher ratings generators in multiple unit configurations. These diesel gensets are powered by world-class engines like PERKINS /LISTER PETTER/CUMMINS coupled with LEROYSOMER/STAMFORD /MECCALTE alternators to provide optimum power solutions. These reliable diesel generators are installed and running in different parts of the world. Volta generators is steadily growing its reputation as a reliable source of world class products in power generation with the ability to provide custom built power solutions at short notice.

Volta Generators have become a recognized force within the generator industry, and we attribute our increasing dominance within this sector to the company's ability to embrace change and to offer a dynamic platform for market demand.

Our professional design team can accommodate any customer demand. From initial design requirements and throughout all stages of manufacturing, including sizing, assembly and commissioning on site, you are guaranteed the most comprehensive service, tailored to meet individual customer needs across a vast range of applications. Continued customer satisfaction reflects the depth and range of experience of our professional team and their ability to focus their attention on the entire range of power industry demands. This approach reflects the company motto "Big enough to cope, small enough to care."



The Company is dedicated to providing its expanding customer base with quality equipment constructed to the latest industry standards, in our factory in Sharjah Hamriyah Free Zone, whilst maintaining a highly competitive pricing structure. Constant updating of all manufacturing equipment ensures a quality product. Our success is based upon the ability to develop and maintain personal contact with our customers offer in them a rapid response to all enquiries, and providing a level and quality of service unsurpassed throughout the Industry.

The Volta Generators ranges are founded on the concept that quality should surpass all other buying criteria. We only use high quality major components from Europe to ensure our clients benefit from the full international warranty offered by these renowned manufacturers.

Our company's goal is simply to provide an unrivalled service to our varied client base, by quality products, competitive pricing, parts stockholding and express deliveries on generating sets and other power plant as well as technical support, both before and after sales.

So whether a generating set, a single filter or a container of gensets are required, we stand ready to provide fast and competitive response to all enquiries.





## CLOSED TYPE SETS & OPEN TYPE SETS

CONTROL PANELS  
PORTABLE LIGHTING TOWERS  
ACOUSTIC ENCLOSURES  
SOUNDPROOF ISO CONTAINERS

VOLTA GENERATORS FZC's comprehensive and versatile VOLTA range of diesel-engine powered generating sets is capable of supplying high quality, reliable base-load or standby power in any operating environment in the world. Design flexibility ensures that the most demanding requirements are met.

Options include multi-set synchronization and mutual stand-by controls. Sets may be static, containerised or mobile, with a variety of base-plate and fuel tank layouts available. In critical or sensitive operating conditions weatherproof canopies, or Super Silent acoustic enclosures, designed to meet EC standards or better, may be fitted.

## OUR PRODUCTS INCLUDE

- Diesel Generators (Open Type) - VP Series
- Diesel Generators (Open Type) - VL Series
- Diesel Generators (Silent Type) - VP Series
- Diesel Generators (Silent Type) - VL Series
- Control Panels
- Portable Lighting Towers
- Acoustic Enclosure
- Sound Proof ISO Container

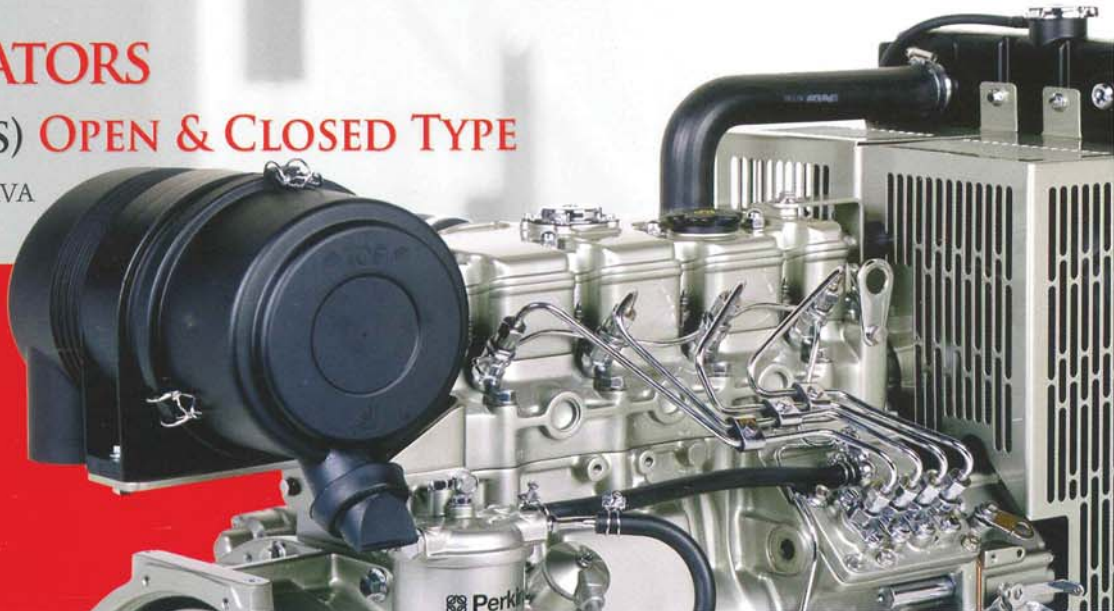




# DIESEL GENERATORS

## VP SERIES (PERKINS) OPEN & CLOSED TYPE

Diesel Generators 9KVA to 2250KVA  
Powered by PERKINS Engine



Volta Generators FZC has always been synonymous with high performance and superior products. Designed to be safer, stronger, quieter and more durable the VP series meets and exceeds expectations. Powered by the world class PERKINS engines the VP series has set new standards in performance and fuel consumption, for others to follow.

All VOLTA " VP series "generating sets incorporate Leroy Somer/Meccalte alternators. These alternators are renowned throughout the world for quality and performance and their utilisation of superior materials and processes.

With 75 years experience of serving power markets world-wide, PERKINS's reputation for innovative product design, customer service, quality and reliability is renowned.

They are synonymous with power for both mobile and stationary equipment and their unrivalled experience entitles them to be known as a specialist in the small to medium horsepower markets.

### TECHNICAL DATA

Model	Engine	KVA-Prime	KVA-Standby	Aspiration	Cylinders	Governing
VP9	403A-11G1	9	10	Natural	3	Mechanical
VP13	403A-15G1	13	14.3	Natural	3	Mechanical
VP20	404A-22G1	20	22	Natural	4	Mechanical
VP30	1103A-33G	30	33	Natural	3	Mechanical
VP45	1103A-33TG1	45	50	Turbo	3	Mechanical
VP60	1103A-33TG2	60	66	Turbo	3	Mechanical
VP80	1104A-44TG2	80	88	Turbo	4	Mechanical
VP100	1104C-44TAG2	100	110	Turbo	4	Mechanical
VP135	1106A-70TG1	135	150	Turbo	6	Mechanical
VP 150	1106A-70TAG2	150	165	Turbo	6	Mechanical
VP180	1106A-70TAG3	180	200	Turbo	6	Mechanical
VP200	1106A-70TAG4	200	220	Turbo	6	Mechanical
VP250	1506A-E88TAG3	250	275	Turbo	6	Electronical
VP300	1506A-E88TAG5	300	330	Turbo	6	Electronical
VP350	2206A-E13TAG2	350	400	Turbo	6	Electronical
VP400	2206A-E13TAG3	400	450	Turbo	6	Electronical
VP450	2506A-E15TAG1	455	500	Turbo	6	Electronical
VP500	2506A-E15TAG2	500	550	Turbo	6	Electronical
VP600	2806A-E18TAG1A	600	660	Turbo	6	Electronical
VP650	2806A-E18TAG2	650	700	Turbo	6	Electronical
VP750	4006-23TAG2A	750	825	Turbo	6	Electronical
VP800	4006-23TAG3A	800	900	Turbo	6	Electronical
VP900	4008-TAG1A	900	1000	Turbo	8	Electronical
VP1000	4008-TAG2A	1000	1100	Turbo	8	Electronical
VP1250	4012-46TWG2A	1250	1385	Turbo	12	Electronical
VP1350	4012-46TWG3A	1350	1500	Turbo	12	Electronical
VP1500	4012-46TAG2A	1500	1650	Turbo	12	Electronical
VP1850	4016-TAG1A	1850	2000	Turbo	16	Electronical
VP2000	4016-TAG2A	2000	2250	Turbo	16	Electronical

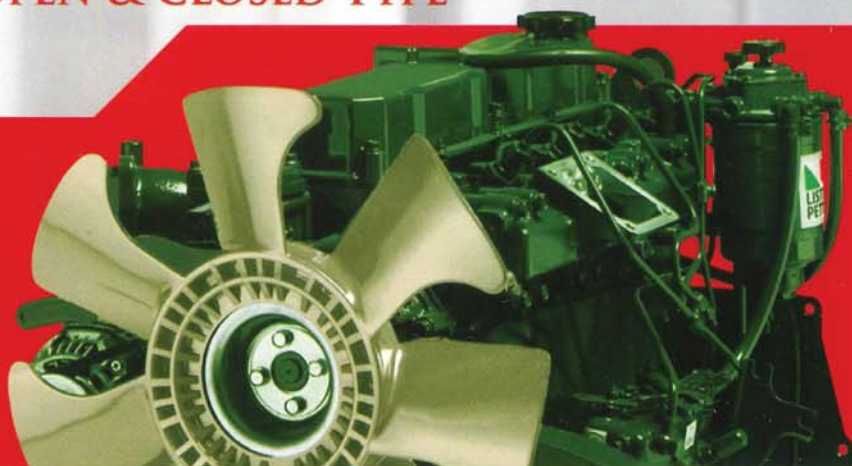


# DIESEL GENERATORS

## VL SERIES (LISTER PETTER) OPEN & CLOSED TYPE

Diesel Generators 7.5KVA to 30KVA

Powered by LISTER PETTER Engine



To build the best generating sets in the world! This is the commitment of our engineers every time they develop a new product range. The result is embodied in the 'VL series', redefining the benchmark for this power range.

Superiority has been made possible by the combination of a modern direct injection diesel fuel system and a maintenance-free, hydraulically adjusting valve train, encompassed in Lister Petter engines. As a consequence, they run smoothly and virtually free of vibration under all load conditions.

Significantly lower fuel consumption and emissions underline the perfection offered by these exceptional engines.

All VOLTA VL series generating sets incorporate Leroy Somer/Stamford alternators. These alternators are renowned throughout the world for quality to build the best generating sets in the world! This is the commitment of our engineers every time they develop a new product range.

## TECHNICAL DATA

Model	Engine	KVA-Prime	KVA-Standby	Aspiration	Cylinders	Governing
VL7.5	LPW2	7.5	8.25	Natural	2	Mechanical
VL10	LPW3	10	11	Natural	3	Mechanical
VL15	LPW4	15	16.5	Natural	4	Mechanical
VL20	SW20	20	22	Natural	3	Mechanical
VL25	SW25	25	27.5	Natural	3	Mechanical
VL30	SW30	30	33	Natural	4	Mechanical





# PORTABLE LIGHTING TOWERS

## 4 STROKE DIESEL ENGINE SAFE AND RELIABLE

Powered by Lister Petter Engine

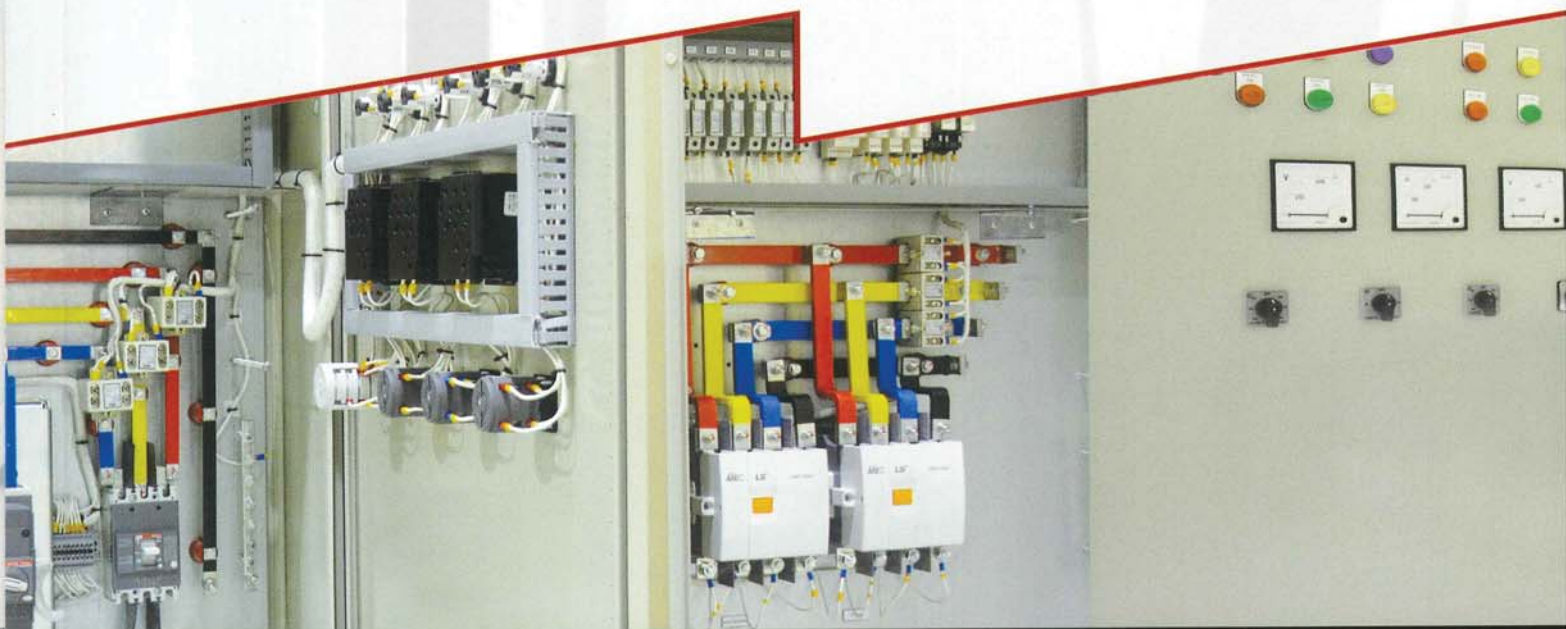
- Safe and reliable 3 sections telescopic mast, powered by manual winch which can be extended to 9 meters.
- The telescopic system can work in cold climate, the self locking system can keep the altitude at any position for a long time.
- The shooting angle can be manually adjusted at the lowest position easily.
- The leaf spring suspension system is suitable for variously rough road.
- The galvanized mast and the powder coated canopy suit the outdoor environment for a long time.
- Three manual legs of individual operation are able to support stably and reliably even on rough ground.
- The lights are IP65 protective class.
- All the electrical distribution boxes, connections are water proof.
- 4X1000W Metal halide lamps.
- Full tubular steel frame trailer.
- Availability of genuine parts.
- Low oil/high temperature automatic shutdowns.
- 4 stroke diesel engine.



## CONTROL PANELS

### DEESEA CONTROLS PRECISE AND EFFICIENT

- Genset control panels with World class Deepsea Control modules
- ATS/AMF Panels /Auto Synchronizing and Auto load sharing panels





# ACOUSTIC ENCLOSURE

## OPTIMUM SERVICEABILITY POWDER COATED PAINT

The top single point lifting system  
ensuring easy transportation

- Base rail with integral fuel tank is provided with drain plug, air vent, inlet and outlet connection, level indicator, manhole etc. Integral fuel tank of 8hrs operation.
- Battery stand with proper clamps.
- Designed to have optimum serviceability. New air inlet louvers designed for homogenous cooling of the canopies interiors and specially designed to operate at rated load even at 50 deg. C enclosure temp.
- Acoustic enclosure body made from CRCA /GI sheet steel components with polyester powder coating at 200oC .
- Horizontally hinged side doors.
- Pressure handle locks.
- Front and rear "lift-off" access panels.
- Emergency stop button mounted on canopy exterior.
- Exhaust silencing system hidden inside the enclosure and enclosed for operator safety Security and Safety.
- Acrylic control panel viewing window in a lockable access door.
- Zinc pasivated fasteners, GI rain cap (Made In US).
- All doors have rubber sealant.
- Made on special purpose CNC machines for consistency in quality and workmanship.
- Powder coated for long lasting service life and superior finish and can withstand extreme environment conditions.
- The top single point lifting system ensuring easy transportation.
- Top cover of the canopy enables the operator to fill antifreeze liquid in the radiator.



# SOUND PROOF ISO CONTAINER

## NEW BODY FIRE EXTINGUISHERS FIXED

- The Unit body is made from brand new standard 20ft/40ft high cube container modified to be sound proof enclosure.
- Designed to have optimum serviceability. Air inlet louvers specially designed to operate at rated load even at 50 deg. C enclosure temp.
- All containers are ISO as standard with 4 No. ISO type lifting points fitted at each corner for ease of installation to final site locations.
- Two service doors, one at each side and connected by earthing cable to the container body. Inlet and outlet air louvers areas are made to be enough for your generator requirements, and they are made to be removed for easy service.
- All doors have a water proof sealant that prevents water from going inside the container.
- The container is lined from inside by 1 inch. glass wool covered by perforated sheet metal, this material will work as an acoustic liner.
- Air inlets are equipped with bird mesh, the inside of the container is lighted with heat resistant light fixtures, all wiring conduits are made of 20mm galvanized steel pipes.
- The container will be equipped with two outside emergency stop button, outside fuel supply and return, Power cable outlet.
- Floor is lined with steel checkered plates and having a drainage point.
- Handles and hinges are Stainless Steel.
- Enclosure contains two fire extinguishers CO2 fixed at the service doors for easy handling.



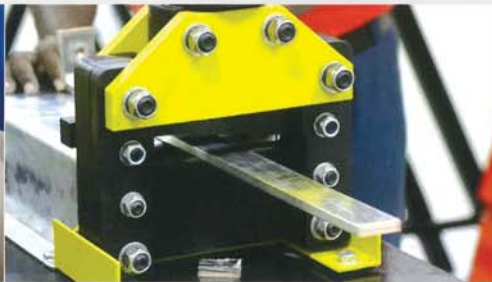


# MANUFACTURING FACILITIES

## STATE OF THE ART BRAND NEW EQUIPMENT

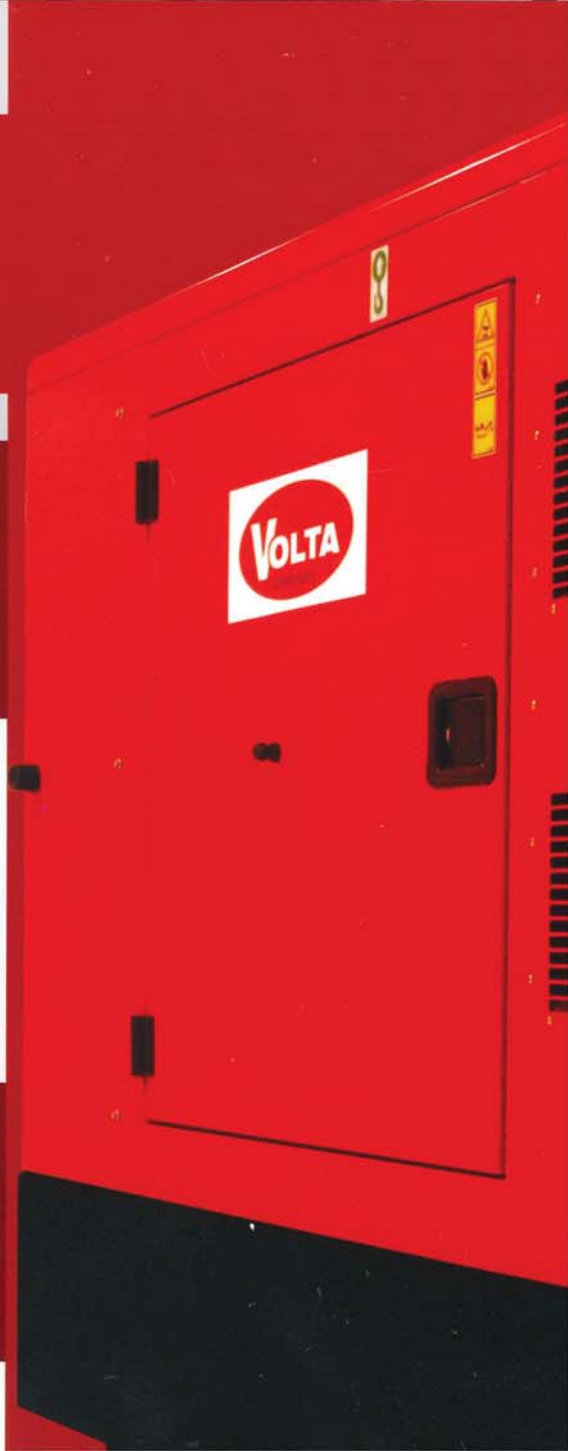
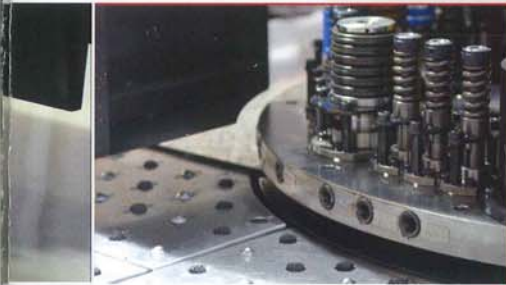
### Precision & Quality

All machines are assembled in our factory located in Sharjah Hamriyah Free Zone, where purpose-designed equipment includes heavy-duty handling equipments, modern powder coating plants, CNC Punching machines, CNC Press brakes, sheet shearing machines, plasma cutting machines, milling router, Hydraulic hose crimping machine, Busbar cutting, bending and punching machine, complete panel and switchgear production units and an up-to-date test facility using multi-unit resistive load banks. From design through to delivery, each stage in the production of a VOLTA Genset is monitored rigorously for quality and specification.



Practical engineering design skills, reinforced by a CAD (Computer Aided Design) system, complement modern production facilities and resources to ensure that VOLTA Gensets provide the solution to all power generation problems. Exceptional flexibility in machine designs and manufacturing specifications, allied to a wide range of accessories and additional equipment, developed to suit all applications and operating conditions, enables VOLTA Generators to custom-build plant to clients' exact requirements.







# QUALITY ASSURANCE

## CRITICAL QUALITY MANAGEMENT

Success for Volta Generators

Quality Management is critical to success at Volta Generators and is the foundation of its daily operations. After careful and meticulous initial design, only materials and components from premium suppliers are used in the manufacturing process. Through technology and innovation, Volta Generators is constantly seeking new ways in which VOLTA products and services can be improved and enhanced in quality, to ensure the continuance of complete customer satisfaction.

Volta Generators undergo stringent quality checks that include 15 test points prior to despatch of the equipment. Volta Generators has its own Load banks in our premises to provide customer with offsite testing.



State of the art testing facility at Volta Generators is the best in the region. The machines undergo stringent quality assurance at raw material stage and also at Assembly of the components, testing, painting, packing & pre despatch inspection (PDI).

Testing facility at Volta Generators comprises of 1 MW resistive load Bank. The testing panel includes digital meters of accuracy  $\pm 0.5$ . We are recording the line current, line voltage, frequency, kilo watts, power factor etc at various loads. High precision equipments are used to measure parameters like vibration, noise level, temperature rise, insulation resistance etc.

To ensure the accuracy of the testing equipments they are calibrated regularly by Volta.





# SERVICE & SUPPORT

## PERFORMANCE AND AN AFTER-SALES SERVICE

Our total commitment to customer

Long-term success depends both upon the quality management philosophy and an after-sales service, which extends to all parts of the globe. Volta Generators takes great pride in ensuring that customers world-wide obtain optimum service and performance from VOLTA products. All carry a full international warranty, reinforced by the international network of accredited agents supporting the major component suppliers.



Volta Generators backs-up all products with a complete spare parts service, based on long-standing specialist knowledge and experience of generating set components, and continually up-dated to reflect changes in design and technology. Only genuine spares, those meeting the high quality standards of the original, are used. Supplies are by express delivery, sourced from either Volta Generator's own stores or the major component supplier.

Our total commitment to customer service and support, complemented with rapid response to enquiries and speedy dispatch of orders, has led us to become a favoured supplier within the domestic and export power generation industry.

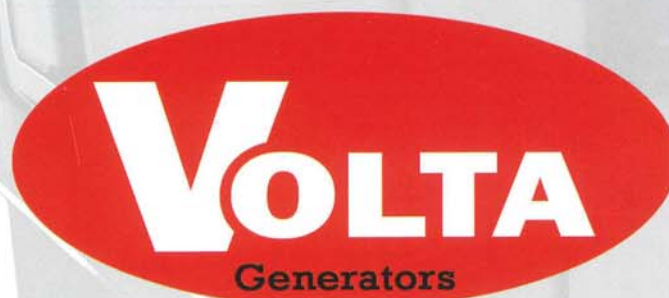
Volta Generators offers clients following support services :

. AMC (Annual Maintenance Contracts)

. 24 x 7 Service Agreements







*Power your mission*

## **Volta Generators FZC**

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