



02 / PARSIAN DIESE

Parsian Diesel, the Power Generating Company, has been established in 1999, by Dr. Mehrdad Ebrahimi - CEO and owner of the company. After the great success achieved in Iran, the aim of the company shifted towards expanding worldwide.

Maintaining good relation with their customers , Parsian Diesel guided his way into the wide market , to his ambitions and beliefs of becoming leaders in Iran and Mideast ,with a trend for growth and the greatest attention and professionalism , the company has been transformed from the family concern of the seventies into a modern managerial structure through the constant development of production capacity , innovation in the product line ,office staff , highly specialized technicians , investment in surveys and research , professional consulting from sector experts for product improvement and perfection , and finally a wide and diverse range of gensets from 2 to 4000 KVA provided in order to satisfy the demands of increasingly existing markets ... all these features make Parsian Diesel an ideal partner for safety and reliability.

Parsian Diesel Power Plant Development Company, as the official representative of the Korea Doosan Company' Diesels and also the Specialized Distributor of the UK Cummins engines and diesels with more than four decades experience in import, production, sales and after sales service of power generators with regards to knowledge and technical and experimental abilities, rely on the close and friendly relationship with the world's greatest diesel generator manufacturers and taking advantage of the specialized training of the top diesel generators manufacturers such as Perkins, Cummins, Volvo, Stamford, etc. has trained experts and technicians, alongside theoretical knowledge to become a pioneer in the industry and has collaborated on domestic and foreign projects with more than 5,700 machines in operation.

Parsian Diesel is continually developing since the first day and looking for a better future for products, technologies and services to play a part to a better life in the society. Parsian Diesel product development and management has always been aligned with customer satisfaction, whether at the level of analyzing and studying customer's changing needs to provide products according to customer requirements or at the project implementation level to meet customer requirements including costs, performance and after- sales service.

Easy to install, easy to maintain and service, low fuel consumption and low maintenance and operation costs, reliability and durability are the advantages that achieve from the suitable model selection and scientific and accurate power calculation proportional to customer specific conditions. Parsian Diesel supply the power and protect for the various applications, from data centers to hospitals and health centers and can deliver uninterrupted productivity of power even for harsh environments.

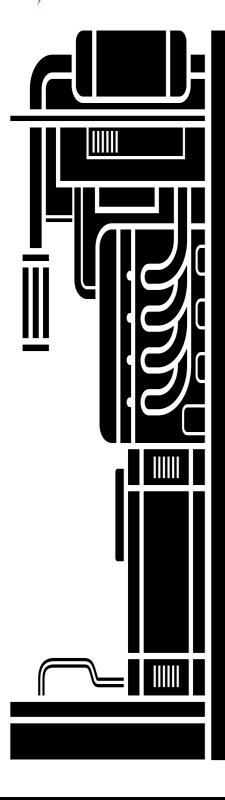
Value

Transcending ego, pursuing excellence and a focus on team work.

To be innovative and consistent reliable power supplier.

✓ Visio

Building on long-lasting, value-added partnerships with distributors, customers and suppliers.



Skills & Employee Development

We believes that the success and achievements are due to the strength and knowledge of the employees.

One of the most important criterion in selecting the employees is to bring together a group of people who can look at issues from different dimensions and perspectives. So it is vital that we continue to attract and retain talented individuals from different backgrounds and experiences.

We take pride in creating a highly skilled and qualified team of young and versatile members with an average age of under 40, including a fully dedicated team of mechanical and electrical engineers with advanced expertise in developing complete product solutions.

Continuous development and learning is one of the encouraging management policy to achieve professional improvements. Persian's Training Centre Program ensures our sales staff, subsidiaries, manufacturing and distribution centers have all the technical knowledge that is needed in which can constantly refreshing and updating the skills of our team.

Meeting Customer Needs

Parsian experienced sales team are here to assist with all aspects of your power generator requirements. From calculating suitable power for your generator, understanding different loads, motor starting capacities, and load acceptance, through to installation requirements proportional to the ambient condition of your required generator. The desire to provide the best service for customers leads to the use of the raw material flawless quality and new generation machinery and unremitting research for improving products.

We offer and promote high-quality products and services that are innovative, highly reliable and since the environmental protection is of vital importance to us, based on the belief that our activity must be compatible with the environment, we do our best to provide environment friendly products (Elitech Power Generating Sets are one example of products that follow strict European standards).

Our Products

- Engine / Doosan / Cummins / Volvo / Perkins / Caterpillar / etc...
- Alternator / Stamford / MeccAlte / LeroySomer / etc...
- GenSet / ElitechPower / CumminsPower / Parsian Diesel / Caterpillar / etc...
- Control Board / DeepSea / PowerCommand / Power Panel / Parsian Diesel / CumminsPower
- Canopy / Parsian Diesel / ElitechPower / CumminsPower



We offer types of solutions to our clients that significantly reduce up-front fixed costs and provides reduced life cycle costs through energy efficiency and professional maintenance.

We are keen to provide our clients with total satisfaction by being committed to superior, reliable and quality 7/24 aftersales services and providing energy advisory services, making available spare parts on consignment, providing extended warranty, offering free inspection and operational audit services, providing elaborated performance guarantees, providing minimized, non-risked deliveries and offering competitive prices, achieving maximum efficiency and customer satisfaction, in the meanwhile manufacturing economical, functional and durable systems.

Doosan Gen-Set And Power Unit Diesel Engine 70 kVA - 1000 kVA

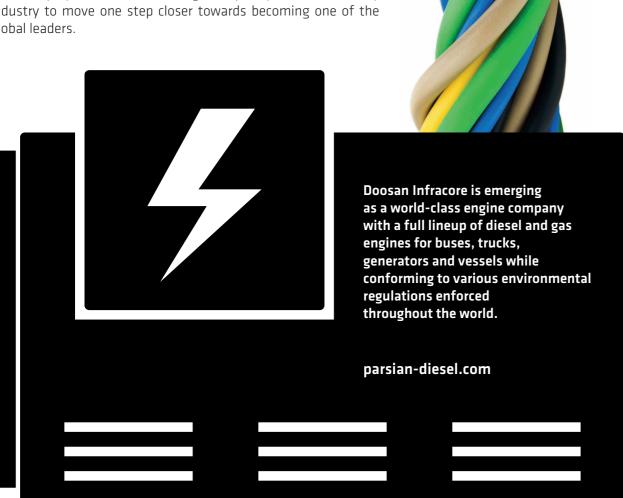


Parsian Diesel Power Plant Development Company is the official representative of the Korea Doosan Company and is exclusive agent in distribution and after sales services for Doosan diesel engines. Doosan Company is one of the best engine manufacturer in the world which is form from incorporation of German MAN Company and Korea Daewoo Company.

Based on its distinguished technologies and experience, Doosan Infracore has supplied top-quality products and set up an efficient customer response process to quickly and accurately provide services.

Doosan always works hard in order to understand precisely what customers want. This allows to secure a differentiation and competitiveness in all Doosan products and technologies through continuous innovation efforts.

Based on its quality-first and customer- centered management principles, Doosan Infracore will continuously enrich the mindset of its employees and seek the highest quality in the machinery industry to move one step closer towards becoming one of the global leaders.





Doosan Infracore engines for power generation are built for maximum power output and durability. The engines are installed in prime and standby generators in the world.

DOOSAN STAMFORD PARSIAN DIESEL POWER PLANT DEVELOPMENT





Cummins G-Drive 11 kVA - 3300 kVA

Parsian Diesel Power Plant Development Company is the Specialized Distributor of the UK Cummins engines.

Cummins is one of the world's pioneer in the diesel generator and power generation industry. Parsian Diesel Company due to its close relationship with main manufacturers and with Cummins Company has been able to distribute Cummins engines extensively.

Parsian Diesel Power Plant Development Company has the largest sales volume of Cummins products in Iran. Cummins G-Drive engines provide vital power solutions to a variety of markets, including industrial, commercial, healthcare, data center, dynamic/rotary UPS and telecommunications.



We offer a new breed of high-performance, reliable Diesel G-Drive engines. From the small but powerful X1.3 to the QSK95, considered best in its class for power density and emissions, G-Drive delivers unbeatable power standards to GOEMs internationally.

	Prime Power (kVA)	Standby Power (kVA)	Engine	Alternator	Dimension			Weight
Model					Length (mm)	Width (mm)	Height (mm)	Open Type (kg)
PCS-22	20	22	X2.5G2	S0L2-G	1750	700	1100	582
PCS-30	25	28	X2.5G2	S0L2-M	1750	700	1100	605
PCS-33	30	33	X3.3G1	S0L2-P	1750	700	1100	875
PCS-44	40	44	4BTAA3.3G16	S1L2-K	1750	700	1100	909
PCS-55	50	55	4BTAA3.3G13	S1L2-R	1750	700	1100	922
PCS-66	60	66	4BTAA3.3G13	S1L2-Y	2100	870	1300	969
PCS-88	80	88	6BTA5.9G5	UCI224G	2260	1000	1400	1244
PCS-110	100	110	6BTA5.9G5	UCI274C	2260	1000	1500	1244
PCS-150	135	150	6BTAA5.9G6	UCI274E	2260	1000	1500	1635
PCS-165	150	165	6BTAA5.9G7	UCI274F	2500	1000	1550	1635
PCS-220	200	220	QSB7G5	UCI274H	2850	1000	1600	1670
PCS-330	315	350	6LTAA9.5G1	S4L1D-E	3000	1100	1900	2282
PCS-440	400	440	QSG12G2	S4L1D-F	3000	1100	1900	4053
PCS-560	500	550	QSX15G8	S5L1D-D	3200	1400	1900	4121
PCS-700	636	700	VTA28G5	S5L1D-F	3500	1600	2100	5150
PCS-825	750	825	VTA28G6	S5L1D-H	4000	1700	2100	5250
PCS-880	810	900	QSK23G3	S6L1D-C	4000	1700	2100	5350
PCS-1000	910	1000	KTA38G3	S6L1D-D	4000	1700	2060	7300
PCS-1120	1000	1100	KTA38G5 or KTA38G14	S6L1D-E	4500	2050	2350	7700
PCS-1260	1136	1250	KTA38G9	S6L1D-F	4500	2050	2350	10000
PCS-1400	1275	1400	KTA50G3	S6L1D-H	5050	2000	2250	10000
PCS-1640	1400	1650	KTA50G8	S7L1D-C	5550	2050	2350	12000
PCS-1650	1500	1650	KTA50GS8	S7L1D-C	5550	2050	2350	12000
PCS-2090	1875	2060	QSK60G3	S7L1D-F	5900	2550	3150	13000
PCS-2200	2034	2233	QSK60G4	S7L1D-G	5900	2550	3150	13000
PCS-2500	2250	2500	QSK60G8	S7L1D-H	6700	2500	3250	15000
PCS-3100	2750	3000	QSK78G9	LVSI804S	7000	2300	2800	15000

CUMMINS STAMFORD **PARSIAN DIESEL POWER PLANT** DEVELOPMENT

G-Drive products are backed by uncompromising technical support and after-sale service for complete peace of mind. Cummins maintains long-term relationships with market-leading manufacturers and pride to the world-class customer service network.





Volvo Penta 11 kVA - 770kVA

VOLVO PENTA

Parsian Diesel Power Plant Development Company as a pioneer in providing service and supplying various type of diesel generator, is one of the main supplier of Volvo Penta engines. Volvo Penta uses the experience, technical ingenuity and expertise to supply the customers with premium products that ensure high performance, service and support, providing unsurpassed levels of uptime and reliability for genset operations.

Volvo Penta's genset engines are constructed to fit a wide range of power generation setups. They are all part of the same platform, making them easy to install and service.

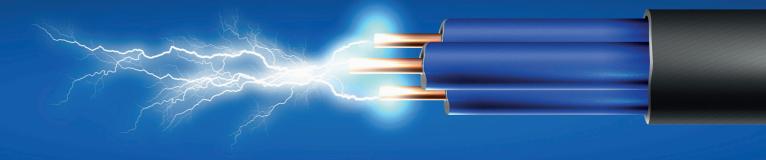


Volvo Penta engines for standby power, offers the benefit from reliable startability and dependable backup high-effect power. Volvo Penta prime power engines supply constant, dependable power for your operation. Excelling in durability and reliability that can assured your business is running at full capacity.

There are many cost-saving advantages to the Volvo Penta engine range. The engines are developed to be both durable and fuel-efficient, promoting long term cost efficiency.

Model	Prime Power (kVA)	Standby Power (kVA)	Engine	Alternator	Dimension			Weight
					Length (mm)	Width (mm)	Height (mm)	Open Type (kg)
PVS-95	85	93	TAD530GE	UCI224G	2100	870	1300	1090
PVS-110	100	110	TAD531GE	UCI274C	2100	870	1300	1170
PVS-145	130	143	TAD532GE	UCI274E	2500	1000	1400	1310
PVS-165	150	165	TAD731GE	UCI274F	2500	1000	1400	1545
PVS-198	180	198	TAD732GE	UCI274G	2850	1000	1400	1785
PVS-220	200	220	TAD733GE	UCI274H	2850	1000	1400	1825
PVS-280	250	275	TAD734GE TAD841GE	UCDI274K	3000	1100	1650	1820
PVS-330	300	330	TAD1341GE TAD842GE	S4L1D-D	3200	1100	1900	2680
PVS-350	315	347	TAD1341GE	S4L1D-E	3200	1100	1900	2820
PVS-350	325	358	TAD843GE	S4L1D-E	3200	1100	1900	
PVS-385	350	385	TAD1342GE	S4L1D-E	3200	1100	1900	2820
PVS-410	375	415	TAD1343GE	S4L1D-F	3200	1100	1900	3050
PVS-440	400	440	TAD1344GE	S4L1D-F	3200	1100	1900	3050
PVS-505	450	500	TAD1345GE	S4L1D-G	3200	1300	1900	3300
PVS-560	500	550	TAD1346GE TAD1641GE	S5L1D-D	3300	1100	2200	3475
PVS-650	590	650	TAD1642GE	S5L1D-E	3300	1100	2200	4550
PVS-720	655	720	TWD1644GE	S5L1D-F	3400	1400	2200	4400
PVS-780	705	775	TWD1645GE	S5L1D-G	3400	1400	2200	4550

VOLVO STAMFORD **Parsian diesel power plant** development



Volvo Penta has a long experience working closely together with OEMs and strive to build successful partnerships that benefit the entire business, supplying a comprehensive genset offer adapted to the customers' specific needs.

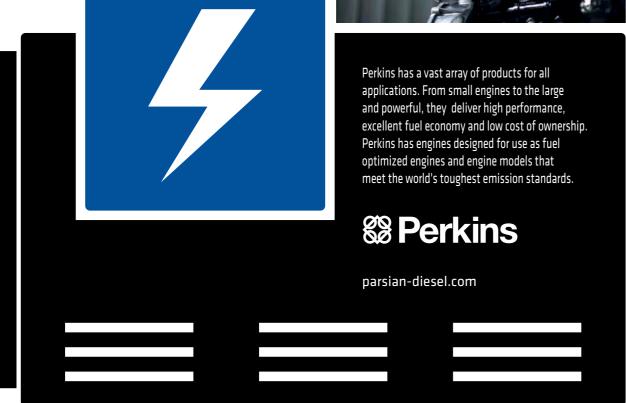
Servins

Perkins 75 kVA - 2500 kVA

Parsian Diesel Power Plant Development Company as a pioneer in providing service and supplying various type of diesel generator, is one of the main supplier of Perkins engines Perkins with 85 years experience in the design and manufacture of high- performance gas and diesel engine and with continuous development offers one of the most advanced and comprehensive ranges of purpose-built diesel and gas engines available today.

More than 5,000 different applications are powered by Perkins engines. Perkins Company helps customers build roads and homes and provides engines for both standby and prime electricity generation. The industrial engines are powering the most complex of applications.

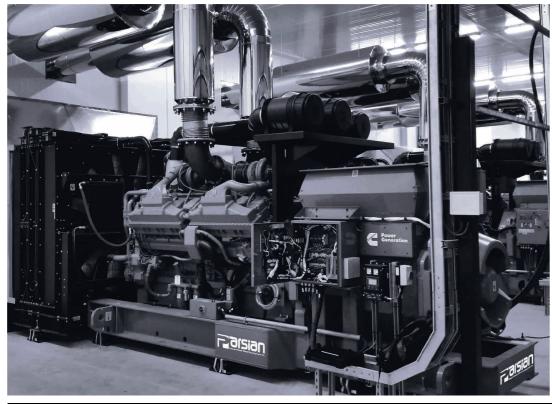




	Prime Power (kVA)	Standby Power (kVA)	Engine	Alternator	Dimension			Weight
Model					Length (mm)	Width (mm)	Height (mm)	Open Type (kg)
PPS-22	20	22	404D-22G	S0L2-G	1500	700	1020	560
PPS-33	30	33	1103A-33G	S0L2-P	1750	700	1100	685
PPS-44	42	46	1103A-33G1	S1L2-K	1750	700	1100	735
PPS-50	45	50	1103A-33G1	S1L2-N	1750	700	1100	770
PPS-66	60	66	1103A-33G2	S1L2-Y	2100	870	1300	840
PPS-88	80	88	1104A-44TG2	UCI224G	2100	870	1300	940
PPS-110	100	110	1104C-44TG2	UCI274C	2100	870	1300	1115
PPS-145	135	148	1106A-70TG1	UCI274E	2500	1000	1400	1390
PPS-165	150	165	1106A-70TAG2	UCI274F	2500	1000	1400	1480
PPS-198	180	198	1106A-70TAG3	UCI274G	2850	1000	1400	1540
PPS-220	200	220	1106A-70TAG4	UCI274H	2850	1000	1400	1590
PPS-250	225	250	1206A-E70TTAG2	UCDI274J	3000	1100	1500	1880
PPS-280	250	275	1206A-E70TTAG3	UCDI274K	3000	1100	1500	1830
PPS-330	300	330	1506A-E88TAG5	S4L1D-D	3300	1100	1700	2630
PPS-385	350	385	2206A-E13TAG2	S4L1D-E	3300	1100	2100	2900
PPS-440	400	440	2206A-E13TAG3	S4L1D-F	3300	1100	2100	3400
PPS-505	450	495	2506A-E15TAG1	S4L1D-G	3300	1100	2200	3430
PPS-560	500	550	2506A-E15TAG2	S5L1D-D	3300	1100	2200	3490
PPS-660	600	660	2806A-E18TAG1A	S5L1D-E	3400	1400	2100	4600
PPS-700	650	715	2806A-E18TAG2	S5L1D-F	3400	1400	2100	4280
PPS-780	700	770	2806A-E18TTAG4	S5L1D-G	3800	1700	2560	4280
PPS-810	750	825	4006-23TAG2A 2806A-E18TTAG5	S5L1D-H	3800	1700	2250	6000
PPS-880	800	880	4006-23TAG3A	S6L1D-C	4000	1800	2350	5850
PPS-880	800	900	4006-23TAG3A	S6L1D-D	4000	1800	2350	6050
PPS-1000	915	1005	4008-TAG1A	S6L1D-D	4500	2050	2460	7700
PPS-1120	1022	1125	4008-TAG2A	S6L1D-E	4800	2050	2200	7800
PPS-1260	1125	1250	4008-30TAG3	S6L1D-F	4900	2000	2300	9550
PPS-1380	1253	1385	4012-46TWG2A	S6L1D-G	4900	2000	2300	11600
PPS-1500	1360	1500	4012-46TWG3A	S6L1D-H	4800	2000	2370	11800
PPS-1650	1500	1650	4012-46TAG2A	S7L1D-C	5200	2200	2500	12000
PPS-1870	1705	1875	4012-46TAG3A	S7L1D-F	5200	2220	2660	12400
PPS-2000	1850	2035	4016-TAG1A 4016-61TRG1	S7L1D-F	6100	2200	2450	13000
PPS-2200	2000	2200	4016-TAG2A 4016-61TRG2	S7L1D-G	6150	2220	2450	14000
PPS-2500	2250	2500	4016-61TRG3	S7L1D-H	6200	2350	2500	16000

Engine performance comes down to controlling engine speed, reaching operating speed, maintaining speed under load and responding to operator demands.





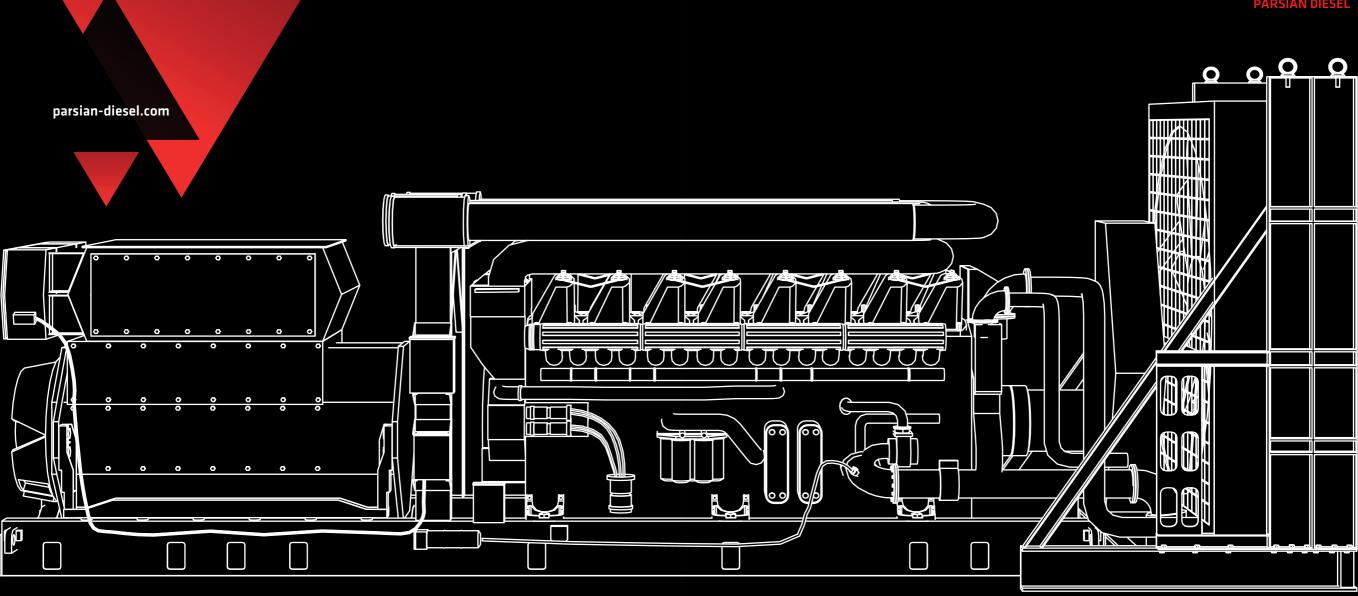


PARSIAN DIESEL POWER PLANT DEVELOPMENT

A diesel generator is composed mainly of an internal combustion engine, an electric generator (usually a synchronous type), mechanical coupling, an automatic voltage regulator, a speed regulator, a support chassis, a battery for starting the motor that permits the diesel generator startup, a fuel tank, and a command panel.

Diesel generators convert fuel energy (diesel or biodiesel) into mechanical energy by means of an internal combustion engine and then into electric energy by means of an electric generator. The diesel generator is an equipment whose use is indicated for applications that require more power and for continuous operation.

Coupling fall into two main categories: Material Flexing and Mechanical Flexing. The material flexible types obtain their flexibility from stretching or compressing a resilient material, such as rubber, or from the flexing of thin metallic discs or grid. Material flexing couplings do not require lubrication, with the exception of grid couplings. The mechanical flexing couplings accept misalignment from rocking, rolling or sliding of metal surfaces. All metal mechanical flexing couplings require lubrication.



Parsian Diesel Power Plant Development Company as an official representative of Elitech Power Generation of UK, which has direct approval from leading diesel engines and generators manufacturer such as Doosan, Cummins and Volvo Penta is a major supplier of diesel generator package of Elitech Power Generation. Also Parsian Diesel supplies Cummins fabricated Gen-Set packages. Parsian Diesel provides solutions that meet power requirements in the range of 3300-11 KVA with a wide range of diesel generators.

Parsian Diesel has the honor of being the power supplier of many domestic and abroad projects: public and private institutions, recreation and business centers and etc. for example supplying the emergency power for "Milad Tower" that is the sixth-tallest tower in the world. Insisting on ethical principles and commitments and being innovative and progressive within the continuous improvement the company raises its quality day by day.

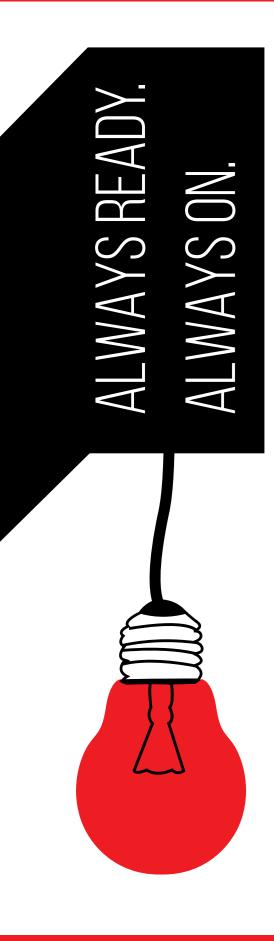
Parsian Diesel Power Plant Development Company, through direct and competent communication with top manufacturers of these products, supplies and operates and services various types of diesel generators.

Diesel generator, as the beating heart of any project and its uninterruptible power supply, must be installed and operated in accordance with all technical and engineering principles. Installation and operation of diesel generators requires training. Parsian Diesel Company has provided online and in-person consulting as well as maintenance and implementation training for diesel generators in order to benefit the customers with the highest quality diesel generators and to provide targeted and cost effective purchases to customers.

HOW DOES A DIESEL GENERATOR WORK?

First, air is blown into the generator until it is compressed; Subsequently, diesel fuel is injected; The combination of these processes, air compression and subsequent injection of the fuel, will contribute to generate the (intense) heat that triggers the inflammation of the fuel. In this way, it starts combustion and causes the generator to start up.

Thus, the generator starts to produce the necessary electrical energy to be distributed according to the needs of the equipment connected to it or the place / space that it will supply. It should be noted that diesel generators can be used extensively, can be switched on for hours, weeks, or simply until the main power returns. For this you must make sure that it is properly ظ.stocked so that it can fulfill its function



Canopy Sound-attenuated and weather-protective enclosures

Parsian Diesel offer a comprehensive range of soundproof canopy set generators with a robust design as a result of many years of experience, innovative technology and the use of top quality components whilst maintaining tight controls over regulations on machine security.

Manufactured from thick galvanised steel and finished with a high-quality paint finish, the canopy is fastened to the base frame for complete stability. Supplied with high-grade soundproofing materials and a residential exhaust silencer, these generator sets offer exceptional noise reduction and weatherproofing ensuring uncompromised performance in outdoor environments.

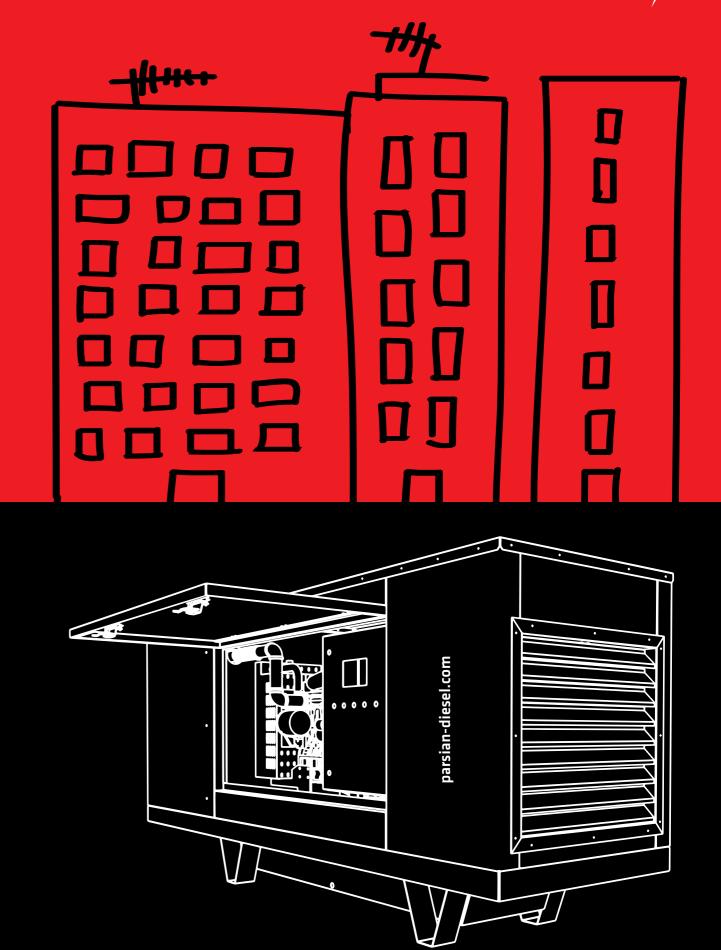
AUTOMATIC TRANSFER SWITCH Ampere Rating 25 – 4000 A

The **Parsian Diesel** automatic transfer switch series pro-vides the basic features needed for primary source and gen-erator set monitoring, generator set starting, and load trans- fer functions for emergency standby power applications.

Parsian Diesel offers a wide range of transfer switches and bypass isolations for reliable transfer of power between power sources in any application, from home, to commercial, to mission critical

Features and capabilities include:

- Withstand and closing ratings up to 200 kA
- Short-time ratings up to 150 kA
- Sophisticated PowerCommand® & Deep Sea Plc Controls
- Network communication and remote monitoring capability
- Enhanced diagnostic capabilities with event logging, enhanced fault codes, alert lists, power event history, and source statistics.
- Statistics enhances diagnostic capability
- Automatic, non-automatic, non-service and service entrance configurations
- Bypass isolation and service entrance configurations
- Open or closed transition





SYNCHRONOUS POWER PANEL POWER COMMAND & DEEP SEA PLC



- **Parsian Diesel** are the generator set digital paralleling controls responsible for synchronizing, load sharing, protection, metering and monitoring suitable for any power system application needs.
- They provide complete autonomous generator set control and integration, precise frequency and voltage regulation, AmpSentryTM protection, fault detection, alarm notification and are NFPA 110 Level 1 compliant.
- All controls are designed with a distributed logic architecture and are responsible for all paralleling functions such as first start arbitration, synchronization, load sharing and governance and are equipped with sophisticated protection elements for complete system integration and reliability.

