

*fmt*group  
energy power



## GAS LINE

nature is our innovation master.

# GENERATOR

## ■ 1-5000 kVA

- ♦ DIESEL GENSET
- ♦ SYNCHRONIZED GENSET
- ♦ GAS GENSET
- ♦ POWER PLANT GENSET
- ♦ MARINE GENSET
- ♦ TWIN GENSET

MONOPHASE / THREEPHASE

50HZ / 60HZ  
1500rpm 1800rpm

QUALITY  
GUARANTEE **PERFORMANCE**

## ENERGY POWER

**FMT GROUP is one of the leading genset manufacturers in Albania.**

Located in the industrial area of Albania, with a surface of 10,000m<sup>2</sup>, FMT Group has the capacity of increasing production day by day. Our products and services operate not only in Balkan countries but also in the global market. Following the motto "WE HAVE THE POWER", with more than 20 years of experience in the generator market, is the reason why FMT Group produce high-quality generators. Having equipped with the latest technology, FMT Group meets customers specific requests for large volumes with fast delivery time.

We have the capacity to produce generator sets from 1-5000 kVA, soundproof canopies, mono-phase and three phase and synchronizing systems. We possess a production line for the generator with the best brands, accompanied by OEM Letters (from Perkins / Scania / FPT Iveco / Hyundai Doosan / Potenza/ Weg / Mecc Alte etc... ) and a highly qualified staff who is occupied with the whole process of designing, manufacturing and exporting the generators all around according to international quality standards.

Focusing on specific strategies for different industries, FMT Group is today the leading genset manufacturer in Albania, offering excellent quality standards and operational performances.

### WE POSSESS THE MOST POPULAR ENGINE AND ALTERNATOR BRANDS

To guarantee high quality products and customer satisfaction, we have partnered with international and successful brand-named companies such as:



# GAS GENERATORS LINE

## 12 - 2750 KVA

More than 15 years industrial background "FMT Group" provides most efficient engineering solutions to its customers. FMT Group offers a wide variety of Natural Gas Solutions with many different engine brands. FMT Gas Generators are designed to meet end users' special requirements and process specifications. Our solutions can be used in all types of industries including like; agriculture, mine site, medical, marine, oil & gas, nuclear power plants, biogas, process industry, pharma, food and many more.



### GLOBAL GAS REFERENCES

CUSTOMER	GENSET POWER	QTY	Engine	Alternator
Ukraina <b>Quattro Genset</b>	1325 kVA	23	FMT Engine	Weg
Canadian Bankers Petroleum	160 kVA	167	Cummins	Stamford
Canadian Bankers Petroleum	275 kVA	6	Cummins	Stamford
Winn Company Doo	880 kVA	2	Perkins	Meccalte
Zeljezara Niksic	1100 kVA	2	FMT engine	Stamford
Elkos	510 kVA	1	Scania	Meccalte
Pera Konstruktion	410 kVA	1	Scania	Meccalte
Arking	880 kVA	1	Perkins	Meccalte
Alumil Albania Shpk	500 kVA	1	Volvo Penta	Meccalte
AL-Estetika	440 kVA	1	FMT engine	Meccalte
HIM Group	410 kVA	1	Scania	Marelli
HIB Petrol	660 kVA	1	FMT engine	Meccalte
Okov Doo	650 kVA	1	FMT engine	Meccalte
SPG	1250 kVA	1	Perkins	Meccalte

**WE HAVE THE POWER**



**WE HAVE THE POWER**

# GAS GENSET

## REGENERATE-P SERIES 12 - 2750 kVA

### FMT ENGINE POWER RANGE



NOISE LEVEL @7mt  
**70-75 dB(A)**

GENSET MODEL	FMT REGENERATE ENGINE MODEL	POTENZA ALTERNATOR MODEL	50Hz / 400V			
			ESP STANDBY POWER		PRP PRIME POWER	
			kVA	kW	kVA	kW
FF12P-GAS	R4L2.5W-GAS	PO15	12	9.6	11	8.7
FF15P-GAS	R4L2.5W-GAS	PO15	15	12.0	14	10.9
FF22P-GAS	R4L2.5W-GAS	PO25	22	17.6	20	16.0
FF25P-GAS	R4L2.5W-GAS	PO25	25	20.0	23	18.2
FF35P-GAS	R4L4.2-GAS	PO35	35	28.0	32	25.5
FF55P-GAS	R4L4.2-GAS	PO55	55	44.0	50	40.0
FF75P-GAS	R4L4.2-GAS	PO75	75	60.0	68	54.5
FF90P-GAS	R4L5.2-GAS	PO90	90	72.0	82	65.5
FF110P-GAS	R6L8A-GAS	PO110	110	88.0	100	80.0
FF125P-GAS	R6L8B-GAS	PO155	125	100.0	114	90.9
FF150P-GAS	R6L8B-GAS	PO175	150	120.0	136	109.1
FF165P-GAS	R6L8C-GAS	PO200	165	132.0	150	120.0
FF200P-GAS	R6L8D-GAS	PO200	200	160.0	182	145.5
FF220P-GAS	R6L8E-GAS	PO220	220	176.0	200	160.0
FF250P-GAS	R6L8E-GAS	PO275	250	200.0	227	181.8
FF275P-GAS	R6L12-GAS	PO275	275	220.0	250	200.0
FF330P-GAS	R6L13A-GAS	PO330	330	264.0	300	240.0
FF360P-GAS	R6L13B-GAS	PO360	360	288.0	327	261.8
FF400P-GAS	R6L16-GAS	PO400	400	320.0	364	290.9
FF450P-GAS	R6L20-GAS	PO450	450	360.0	409	327.3
FF500P-GAS	R6L20-GAS	PO500	500	400.0	455	363.6
FF550P-GAS	R6L40A-GAS	PO550	550	440.0	500	400.0
FF660P-GAS	R6L40B-GAS	PO660	660	528.0	600	480.0
FF700P-GAS	R6L40C-GAS	PO700	700	560.0	636	509.1
FF750P-GAS	R6L40C-GAS	PO750	750	600.0	682	545.5
FF825P-GAS	R6L40D-GAS	PO825	825	660.0	750	600.0
FF900P-GAS	RH-12V55-GAS	PO900	900	720.0	818	654.5
FF1000P-GAS	RH-12V55-GAS	PO1000	1000	800.0	909	727.3
FF1100P-GAS	RH0-12V55-GAS	PO1100	1100	880.0	1000	800.0
FF1250P-GAS	RH1-12V55-GAS	PO1250	1250	1000.0	1136	909.1
FF1400P-GAS	R12V80L-GAS	PO1400	1400	1120.0	1273	1018.2
FF1650P-GAS	RH3-16V80-GAS	PO1650	1650	1320.0	1500	1200.0
FF1875P-GAS	RH4-16V80-GAS	PO1875	1875	1500.0	1705	1363.6
FF2000P-GAS	RH4-16V70L-GAS	PO2100	2000	1600.0	1818	1454.5
FF2500P-GAS	RH5-20V100L-GAS	PO2500	2500	2000.0	2273	1818.2
FF2750P-GAS	RH5-20V100L-GAS	PO2750	2750	2200.0	2500	2000.0
FF1875P-5V 0.4/6.3/10.5kV GAS-C23995	RH4-16V80-GAS	PO2000-LV/MV/HV	-	-	1875	1500 (prime/cop power)
FF2500P-5V 0.4/6.3/10.5kV GAS-C23994	RH5-20V100L-GAS	PO2750-LV/MV/HV	-	-	2500	2000 (prime/cop power)

ALTERNATOR AVAILABLE:



Only LPG / natural gas used

Bio gas on request

If you require any further information, feel free to contact us.  
FMT Group reserves the right to change the details without prior notice.







## TWO GENSETS, ONE BRAIN

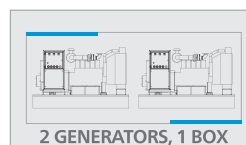
Synonymous with versatility and safety, **TWIN-ON GENSET** encloses two separate power generators within a single soundproof enclosure that enables the 2 genset to act as one generator on the same chassis.

The two generators can be used simultaneously for increased power production or individually. This principle enables an easy repair or maintenance. In case of failure of one of these two drives, the load is switched on the permanently available motor / generator.

Your **TWIN-ON GENSET** can be produced on request with completely customized powers and accessories, and it can be programmed according to the specific needs of each customer.

### Redundancy and ease of use

The electronic control units of the two generators communicate with each other automatically, making the system simple.



**CENTRALIZED  
CONTROL  
& MONITORING**

**RUN AT 50%  
DURING SERVICE**

**100%  
PRP  
AT 50°C**

## COST EFFECTIVE SOLUTION

Initial investment costs will be much lower with Twin Engined Power solutions. FMT **TWIN-ON Technology** allows you to save up to 30% savings on total cost of ownership. Furthermore, alternating the use of FMT **TWIN-ON Technology** will reduce the operational costs and periodic maintenance costs since spare parts for smaller engines are cheaper and easy accessible. Using twin engines will let you to save up to 30% cost, only from engine oil usage at each maintenance.

FMT **TWIN-ON TECHNOLOGY** will let you to support a lower load using only one of the two engines. Therefore, you will be avoiding having to use a single machine of larger power and damage its engine. One of the most important advantage is; in case of a failure occur that stops one of the two engines, it will always be possible to count on the second generator. It means, generator will keep providing the 50% of the power even in the event of technical problem. In addition, either one engine can be serviced while the second engine remains running.

**BEST PERFORMANCES  
LESS FUEL CONSUMPTION  
EASY REPAIR / MAINTENANCE**



**TWIN-ON  
TECHNOLOGY**

### TWO GENERATORS, A SINGLE DIGITAL INTELLIGENCE.

*TWIN-ON GENSET is the best solution for events, hospitals, or in any other delicate application that needs redundancy and greater fault tolerance, without any lack of power.*

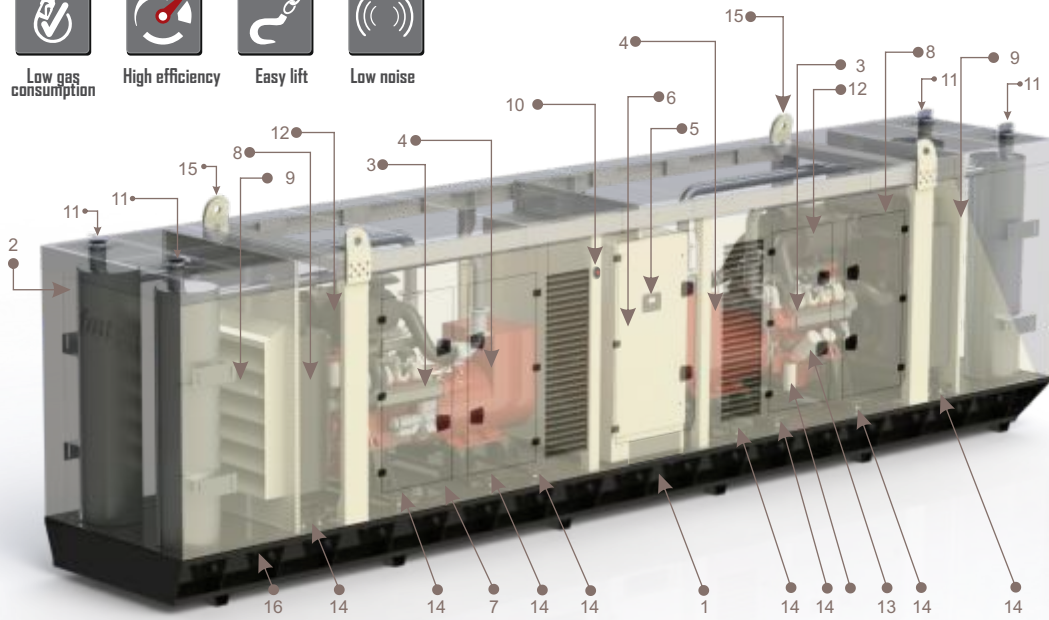


Low gas consumption

High efficiency

Easy lift

Low noise



1	Base Frame
2	Canopy
3	Engine
4	Alternator
5	Control Panel
6	Connection Box
7	Battery
8	Radiator
9	Grilles
10	Emergency stop button
11	Exhaust Outlet
12	Air Filter
13	Oil Filter
14	Vibration Isolators
15	Lifting Lug
16	Earthing Point

*\*Image for guidance purposes*





# QUATTRO

Reliable power, anytime, anywhere.

## ■ UNMATCHED POWER IN A COMPACT CANOPY

The **Quattro Genset** is an advanced power generation solution designed to provide exceptional reliability and efficiency. Featuring four engines housed within a single compact canopy, this innovative system offers high power output while optimizing space and reducing operational complexity. Each engine operates independently, ensuring redundancy and continuous power availability, even in demanding applications. The integrated design allows for easy installation and maintenance, making the Quattro Genset an ideal choice for both industrial and commercial use where consistent and scalable power is critical. Its robust construction ensures durability, making it a versatile and cost-effective power solution.

### QUADRUPLE POWER

Equipped with four powerful engines, the Quattro Genset delivers substantial power, making it ideal for demanding applications.

### COMPACT DESIGN

The compact, all-in-one design minimizes spaces allowing for easy installation and transportation.

### FUEL EFFICIENCY

Optimized engine technology and efficient fuel consumption reduce operating costs.

### ENHANCED RELIABILITY

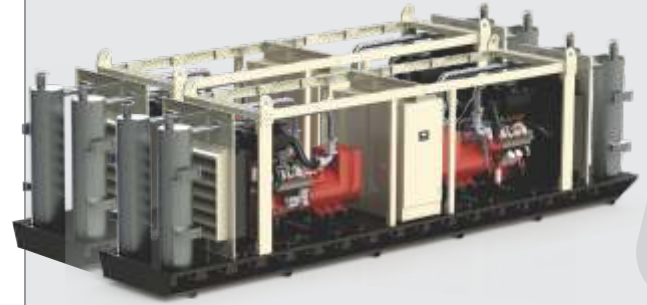
Redundant systems and advanced monitoring ensure continuous power supply, even in critical situations.

### REDUCED NOISE POLLUTION

State of the art soundproofing technology minimizes noise emissions, providing a quieter operation.

Whether you need reliable power for construction sites, remote locations, or emergency backup, the **QUATTRO GENSET**

is the **ULTIMATE SOLUTION**



## REMOTE X

GSM MODEM R-GSM485



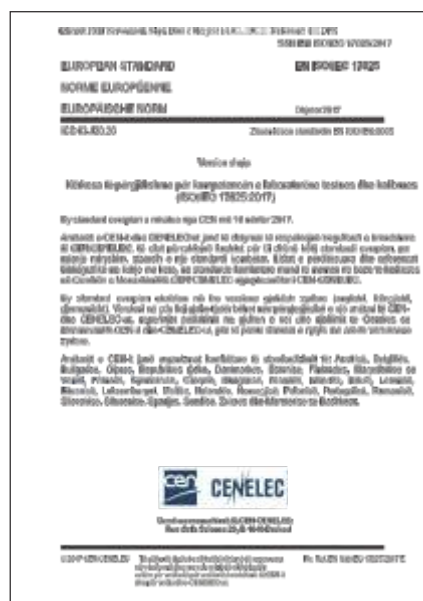
LOW POWER CONSUMPTION HIGH SPEED WIDE APPLICATION



## Monitor Genset Remotely







# SINGLE GEN-SET

## AMF CONTROL UNIT

SMART LOGIC / FULL PROTECTION

STANDARD

The SGC 420 controller is modern genset controllers for both AMF applications with a mechanical and electronically controlled engine (CANbus) plus AMF applications with electronic governor. The controllers provide you with a user-friendly interface and full graphics LCD and include voltage and frequency measurement for mains and gensets, and electrical load measurement (true RMS). Configurable analogue and digital inputs/outputs are provided for various features. Modbus over RS-485 and CAN ports are available for remote communication. Start and stop gensets remotely using the Remote start/stop function. Deep sleep mode is a useful feature that extends the battery lifetime by suspending the normal controller functions of when the genset is off. The controller monitors engine safety, electrical load, site battery backup voltage and shelter temperature to reduce fuel consumption. Configure parameters easily from a PC using DEIF Smart Connect utility software. Connect to the PC through the controller's USB Type B port.

DEIF420

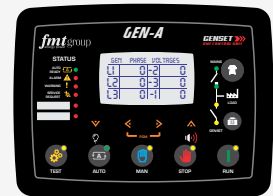


OPTIONAL



IntelliLite4 AMF25

GENA

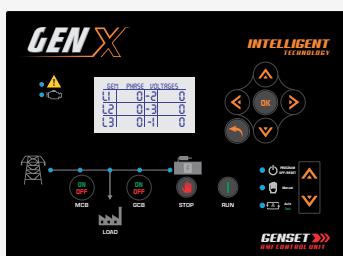


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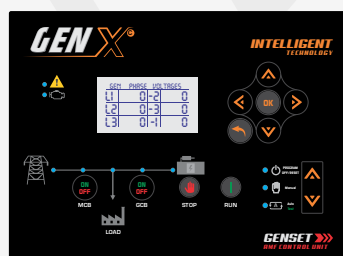
DSE7320



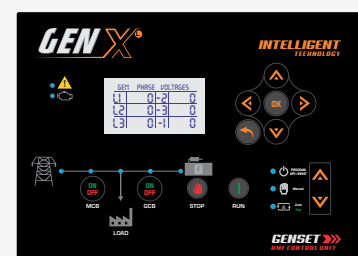
GENX is suitable for managing the most common single or three phase generator applications (Single Prime Mover and Single Standby gensets). It can monitor three phase (RMS) mains voltages and three phase (RMS) generator voltages and currents. An integrated J1939 Canbus interface enables the controller to be used with electronic engines. A traditional interface can be used for non-electronic engines. Extensive input and output capability with optional communication interfaces make this an extremely powerful single genset controller. With its user-friendly interface, GENX provides instant visualisation of measures and alarms coming from the genset. The adjustable parameters of the controller enable both standard and customized tasks to be performed, set directly from the controller's keyboard or by using the free software tool. A version with built in GPRS/GPS tracking is particularly suited for mobile or rental applications, where asset tracking and monitoring is required.



GENX



GENX-C



GENX-L



# SYNCHRONIZE SYSTEM

## SYNCHRONIZE CONTROL UNIT

SMART LOGIC / FULL PROTECTION

STANDARD

The AGC 150 Hybrid is a variant of the well-known and easy-to-use controller, AGC 150. The AGC 150 Hybrid comes with all the necessary functions for protection and control of a hybrid installation with PV and genset. It can be used as a single unit for PV and up to 2 gensets for synchronising projects, in island or parallel to the mains modes. The AGC 150 Hybrid handles the power production from PV and genset to give the highest PV penetration and the lowest CO<sub>2</sub> emission, and to ensure safe power production to support the load. The AGC 150 Hybrid can be used as: • Hybrid controller mounted directly on the genset with full control of PV, genset and mains • PV integration controller with power measurement and breaker feedback from existing controller. The AGC 150 contains all necessary 3-phase measuring circuits. All values and alarms are presented on the sun proof LCD display.

DEIF150



### General description

The AGC 150 Hybrid is a variant of the well-known and easy-to-use controller, AGC 150. All technical information on this variant is found in the AGC 150 documentation on deif.com.

The AGC 150 Hybrid comes with all the necessary functions for protection and control of a hybrid installation with PV and genset. It can be used as a single unit for PV and up to 2 gensets for synchronising projects, in island or parallel to the mains modes.

The AGC 150 Hybrid handles the power production from PV and genset to give the highest PV penetration and the lowest CO emission, and to ensure safe power production to support the load.

#### The AGC 150 Hybrid can be used as:

- Hybrid controller mounted directly on the genset with full control of PV, genset and mains
- PV integration controller with power measurement and breaker feedback from existing controller.

The AGC 150 contains all necessary 3-phase measuring circuits. All values and alarms are presented on the sun proof LCD display.

### Main hybrid features

#### Minimum genset load

- Eliminate the risk of reverse power caused by low load

#### Perfect for Rooftop installations

- Rebuild your genset with AGC 150 benefits and get PV for free

#### Load calculation in terms of solar power

#### Automatic genset start/stop

- Based on threshold set points for PV production and mains import/export

#### PV included in modes

- MPE (Mains power export/import), AMF (Automatic mains failure), LTO (Load take-over), Fixed power, and Peak shaving

#### PV inverter communication support

- Support of more PV inverter communication protocols, including Sunspec

#### Mains voltage and current measurement

- One CT/Phase for balanced load

#### PV Power emulation

- Try and test the Hybrid functions without a PV plant

#### Other PV features:

- Energy Counters, Curtailment
- Inverter monitoring
- POA and BOM for calculating P max
- Weather data presentation



OPTIONAL



IntelliGen4 200

DSE8610





## **ALBANIA** (Factory Headquarters)

**Address:**

"Rruga e Aeroportit SH60",  
2 km from Tirana International Airport, Rinas - Fushe Kruje  
**mob:** +355 69 70 66 835  
**e-mail:** info@fmtgroup.al



## **KOSOVO**

**Address:** Str. Magjistratja Prishtine-Kosove  
**mob:** +377 44400460  
**e-mail:** kosova@fmtgroup.al



## **TURKEY**

**Address:**

Eski Londra Asfaltı Caddesi No:41-43A Güngören / İstanbul  
**mob:** +90 555 006 22 36  
**e-mail:** info@fmtgenerator.com.tr



## **MONTENEGRO**

**Address:** Str. Tuzi BB - Podgorice  
**e-mail:** montenegro@fmtgroup.al



SCAN OUR LOCATION

[www.fmtgroup.al](http://www.fmtgroup.al)