

PAUWAY

Gas

Generator Set

TDS

PWGC SERIES

POWER BY CHINA

300–1200
kWe

www.pauwaypower.com



Natural gas applications

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- New development — greatly reduced operating and installation costs and fully digitized power plant control.
- Greatly reduced installation and operating costs

PAUWAY

- Cogeneration & Trigeneration
- Distributed Power Plants

Power. Intelligence. Efficiency

PWGC SERIES

300–1,200 kWel

New development — greatly reduced operating and installation costs and fully digitized power plant control.

- Low gas consumption, flexible use of fuel, suitable for all gas types including hydrogen admixtures of up to 25 vol%
- Greatly reduced installation and operating costs
- Fits in 20FT container

PAUWAY

Power. Intelligence. Efficiency

PWGC SERIES

Efficient & Stable · Low-Carbon & Environmentally Friendly · Durable & Reliable · Globally Adaptable

PAUWAY-PWGC series natural gas generator sets integrate high-quality Cummins engines and precision power generation systems.

They cover the mainstream power range of 300kW-1200kW.

Perfectly compatible with 50Hz/60Hz dual power grid standards.

They provide stable, efficient and clean continuous power and thermal energy solutions.

Suitable for distributed energy, combined cooling, heating and power, industrial power supply, data centers, mining areas and commercial energy sta

World-Class Power, Benchmark of Efficiency & Energy Saving

Equipped with high-performance natural gas engines. Adopt high-pressure supercharged intake, lean combustion and precise air-fuel ratio control technology.

High power generation efficiency and full conversion of fuel energy.

Greatly reduce gas consumption costs.

With waste heat recovery system, it can output stable thermal energy synchronously.

Realize "one unit for power generation + heating" and maximize energy utilization.

Significant long-term operational econo

Ultra-Low Environmental Emissions, Green & Compliant

The whole series implements strict environmental protection standards.

NOx emission $\leq 500\text{mg}/\text{Nm}^3$, far lower than national and international mainstream limits.

Optimize combustion control from the design source. Clean operation without additional post-treatment equipment.

Easily pass environmental protection acceptance.

Suitable for high-standard projects such as low-carbon parks and green factories.

Help users achieve carbon neutrality goals.

Strong Fuel Adaptability, Suitable for Multiple Scenarios

Perfectly compatible with pipeline natural gas. Highly optimized for biomass gases such as biogas, landfill gas and sewage gas.

Customized combustion strategies for different gas characteristics.

Stable power output, no detonation and no efficiency attenuation even with fluctuating fuel composition and unstable calorific value.

Covers multiple energy scenarios such as oilfield associated gas and biomass resource utilization.

Compact & Reliable Structure, Long-Term Stable Operation

Rated speed: 1500rpm/1800rpm.

Scientific control of piston speed, low mechanical loss and strong durability.

Compact structure, reasonable layout, optimized size and weight.

Easy to transport, hoist and install in machine rooms.

Adaptable to various complex installation environments. Backed by Cummins world-class manufacturing and quality control system.

Excellent continuous operation capability.

Low failure rate, long service life and high stability even under high load and uninterrupted operation.

Perfectly meet 7×24-hour continuous power supply needs.

Intelligent Operation & Maintenance, Full-Life Cycle Guarantee

Equipped with advanced intelligent control system.

Realize integrated automatic start-stop, load adjustment, fault diagnosis and remote monitoring.

Friendly maintenance interface and convenient maintenance process.

Clear maintenance cycles for different gas sources. Significantly reduce operation and maintenance costs and downtime while ensuring operational reliability.

Powerway Energy provides global technical support, spare parts supply and after-sales service.

Offer full-life cycle worry-free guarantee for users.

Complete Quality Certifications, First Choice for Global Projects

PAUWAY-PWGC series has passed ISO9001, ISO14001 and ISO45001 system certifications.

Compliant with CE, CSA and other international authoritative standards.

Tested in harsh environments such as high temperature, high altitude and high humidity.

The first choice of high-end gas power generation equipment for industrial power supply, distributed energy, data centers, mining areas and commercial complexes.

Technical DataSheet-Natural gas

PAUWAY MODEL	POWER		ENGINE MODEL
	COP		
	(KW)	(KVA)	
PWGC412	300	375	K19N-G1
PWGC475	350	437.5	K19N-G3
PWGC550	400	500	K19N-G4
PWGC688	500	625	K38N-G5
PWGC825	600	750	K38N-G6
PWGC1000	700	875	K38N-G7
PWGC1100	800	1000	K38N-G8
PWGC1250	900	1125	K50N-G9
PWGC1375	1000	1250	K50N-G10
PWGC1375A	1000	1250	K50N-G10H
PWGC1500	1100	1375	K50N-G11H
PWGC1650	1200	1500	K50N-G12H

Technical DataSheet-LPG/Associated gas

PAUWAY MODEL	POWER		ENGINE MODEL
	COP		
	(KW)	(KVA)	
PWGC350P	250	312.5	K19N-G1P
PWGC412P	300	375	K19N-G2P
PWGC475P	350	437.5	K19N-G3P
PWGC550P	400	500	K38N-G4P
PWGC688P	500	625	K38N-G5P
PWGC825P	600	750	K38N-G6P
PWGC825PA	600	750	K50N-G6P
PWGC1000P	700	875	K38N-G7P
PWGC1000PA	700	875	K50N-G7P
PWGC1100P	800	1000	K38N-G8P
PWGC1100PA	800	1000	K50N-G8P
PWGC1250P	900	1125	K50N-G9P
PWGC1375P	1000	1250	K50N-G10P

Technical DataSheet-Biogas

PAUWAY MODEL	POWER		ENGINE MODEL
	COP		
	(KW)	(KVA)	
PWGC412B	300	375	K19N-G1B
PWGC475B	350	437.5	K19N-G3B
PWGC550B	400	500	K19N-G4B
PWGC688B	500	625	K38N-G5B
PWGC825B	600	750	K38N-G6B
PWGC1000B	700	875	K38N-G7B
PWGC1100B	800	1000	K38N-G8B
PWGC1250B	900	1125	K50N-G9B
PWGC1375B	1000	1250	K50N-G10B

