PULITA NEW ENERGY CO.,LTD

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Company Profile

Pulita is a global Original Equipment Manufacturer headquartered in China, with operational offices in Nigeria.

We specialize in advanced gas-powered energy solutions for industrial, commercial, and institutional clients. With years of engineering expertise and proven technology, we provide efficient, reliable, and sustainable alternatives to diesel-based power systems.

Pulita is located in the Sino-foreign Cooperation Industrial Park in the Binhai Economic Development Zone of Weifang, China. It covers an area of more than 30,000 square meters, including 10,000 square meters of production workshops, with a designed annual production capacity of 10kVA-4000kVA generating sets of 4,000 units. Products from the purchase of raw materials, drawing design, production process and manufacturing process all strictly implement the ISO9001 international quality system standard, and have passed the EU CE certification. The factory has built a large parts warehouse, which can ensure the timely supply of parts and the positive response of the service while providing cost-effective products.






Why Switch to Gas?

LPG/CNG VS DIESEL

Fuel	Example models	Comprehensive Fuel consumption	Fuel Price (Naira)	Consumed Price (Naira)	Comprehensive Per kW price(Naira)	Cost saving
Diesel	100KW	25L/h	1300N/L	32500	325	NA
LPG	100KW	23kg/h	750N/kg	16560	165	50%
CNG	100KW	30m^3/h	380N/m^3	11400	114	65%

Switching to LPG and CNG Power Sources

The high cost of diesel leads to high electricity costs, by setting up independent CNG/LPG power plants, we can save 58-72% of the cost and quickly recover the upfront investment in natural gas infrastructure.

CNG

Nigeria has abundant natural gas reserves. The Nigerian government is currently carrying out large-scale pipeline construction to strengthen the distribution of natural gas throughout the country. Switching to pipeline natural gas or CNG for power generation can significantly save costs, up to 72%. At the same time, natural gas is more environmentally friendly and can effectively reduce carbon emissions.

LPG

LPG is widely distributed in Nigeria. It is mainly composed of butane and propane. From small household gas cylinders to large industrial tanks, LPG is easy to store and use. Its portability and convenience make it an attractive alternative to diesel power generation. By switching to LPG, the cost of power generation fuel can be reduced by about 58%.

LPG Generator Set

PULITA's LPG Generator Set ranges from 20kVA-1250kVA,It has features of reducing energy costs and improving power generation efficiency, more safer, longer life and simpler power solution.

A. More Environmentally Friendly

Low emissions for a greener impact on the environment.

B. More Cost-Effective

Enhanced efficiency through lean combustion technology, achieving up to 5 kWh of electricity from 1 kg of liquefied gas.

C. Safer

Precise ignition to prevent explosions, equipped with flame arresters and explosion-proof valves.

D. More Convenient and Simpler

Abundant refueling resources at gas stations, and the option to store gas cylinders for replacement. Easy operation with one-button ignition start.

E. Containerized Type Customization

Can be synchronized Units as various loads.

CNG Generator Set

PULITA's CNG Generator Set ranges from 20kVA-4000kVA meeting various power demands and providing reliable energy supports, along with CNG cylinder groups, PRMS supporting devices to provide multi-energy power solutions.

A. More Reliable

Utilizing mature technology and processes.

B. More Efficient

Achieving a peak generator efficiency of up to 44%.

C. Environmentally Friendly

Lower emissions.

D. More Durable

Designed for continuous 24-hour operation, with a 15-year lifespan and 30,000 hours of major maintenance intervals.

LPG/CNG Generator Set

Genset at 50Hz, 400/230V, 1500rpm, 3P4W.				Gas Engine (In-line, Four-Stroke, Electronic Ignition,Water cooled)		Brushless Alternator with AVR	Controller	Fuel	Gas Consumption at 100% loads		Open Type		Soundproof Type	
Brand	Genset Model	Prime Power (KW/KVA)	Standby Power (KW/KVA)	Engine Model	Cylinder No.	Brand	Model	Gas Type	LPG (kg/h)	CNG (m3/h)	Dimensions (mm)	Weight (kg)	Dimensions (mm)	Weight (kg)
Pulita	15KVA	12/15	13.2/16.5	PW1.8T-NG	4 in line	Pulita	Smartgen	LPG/CNG	3	3.6	1800*700*1100	650	2200*1050*1400	950
	20KVA	16/20	17.6/22	PW2.2T-NG	4 in line	Pulita	Smartgen	LPG/CNG	4	4.8	1850*800*1100	800	2200*1050*1450	980
	25KVA	20/25	22/27.5	PI2.7-NG	4 in line	Pulita	Smartgen	LPG/CNG	5	6	1850*900*1150	900	2200*1050*1450	1000
	30KVA	24/30	26.4/33	PI2.7T-NG	4 in line	Pulita	Smartgen	LPG/CNG	6	7.2	1850*900*1150	900	2200*1050*1450	1000
	40KVA	32/40	35.2/44	PC3.9TA-NG	4 in line	Pulita	Smartgen	LPG/CNG	8	9.6	1850*900*1150	950	2400*1050*1450	1050
	50KVA	40/50	44/55	PC3.9TA-NG	4 in line	Pulita	Smartgen	LPG/CNG	10	12	1850*900*1150	980	2400*1050*1450	1080
	60KVA	48/60	52.8/66	PC5.9-NG	6 in line	Pulita	Smartgen	LPG/CNG	12	14.4	2250*1050*1300	1000	2800*1050*1650	1400
	80KVA	64/80	70.4/88	PC5.9TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	16	19.2	2250*1050*1300	1100	2800*1050*1650	1600
	100KVA	80/100	88/110	PC5.9TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	20	24	2250*1050*1300	1140	2800*1050*1650	1640
	125KVA	100/125	110/137	PC8.3TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	25	30	2400*1100*1400	1800	3000*1250*1800	2500
	150KVA	120/150	132/165	PC8.3TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	28.8	36	2400*1100*1400	1860	3000*1250*1800	2560
	180KVA	150/180	165/196	PC8.9TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	36	45	2800*1100*1550	1890	3100*1180*1960	2600
	200KVA	160/200	176/220	PW10TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	38.4	48	2850*1100*1550	1950	3300*1250*2060	2800
	250KVA	200/250	220/275	PW12TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	48	60	3100*1100*1780	2400	3600*1450*2060	2900
	300KVA	240/300	264/330	PW13TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	57.6	72	3100*1100*1780	2500	3800*1550*2160	3200
	350KVA	280/350	308/385	PC15TA-NG	6 in line	Pulita	Smartgen	LPG/CNG	67.2	84	3100*1100*1780	2580	3800*1550*2160	3380
	500KVA	400/500	440/550	6M33D450E310NG/K19N-G4	6 in line	Pulita	Smartgen	CNG	N/A	116	3260*1380*1610	3500	4000*1550*2260	4400
	625KVA	500/625	550/687.5	12M26D605E300NG/K38N-G5	12 V	Pulita	Smartgen	CNG	N/A	139.2	4150*1730*2300	6100	20FT	10500
	800KVA	640/800	704/888	12M33D690E310NG	12 V	Pulita	Smartgen	CNG	N/A	185.6	4500*1700*2300	7200	20FT	11000
	1000KVA	800/1000	880/1100	12M33D900E310NG/K38N-G8	12 V	Pulita	Smartgen	CNG	N/A	224	4500*1700*2300	7200	20FT	11000
	1250KVA	1000/1250	1100/1375	16M33D1280NG10/K50N-G10	16 V	Pulita	Smartgen	CNG	N/A	280	6300*2000*2900	12300	40FT	16000
	1800KVA	1440/1800	1584/1980	12M55D1588A0NG	12 V	Pulita	Smartgen	CNG	N/A	403.2	6500*2000*2900	13500	40FT	17100
	2500KVA	2000/2500	2200/2750	L20V190ZLT-2	20 V	Pulita	Smartgen	CNG	N/A	560	7500*2300*2800	29000	Customized	35000

Remarks

- ✔ Both 50Hz and 60Hz are available.
- ✔ Special voltages are available.
- ✔ Alternator brand Stamford,Leroy Somer,Marathon are optional.
- ✔ Controller brand Deepsea,DEIF,ComAp are optional.
- ✔ Special requirements for Soundproof Canopy, ATS, Parallel & Synchronization Control, CHP and CNG Cascades,PRMS are optional

The data herein can vary depending on individual production requirements or due to improved technology.

CNG Cylinder Groups

PULITA uses 150-200L natural gas cylinders to assemble CNG cascades, with a capacity range from 100 to 7000scm,The working pressure ranges from 200 to 250bar which can fully meet the use of gas power generation.

PRMS

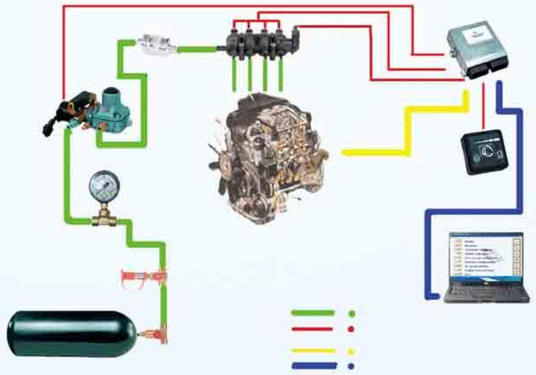
PRMS uses high-quality pressure regulator and heating system, which is safe, stable and easy to operate.

Dual Fuel Generator Set(Diesel-Gas)

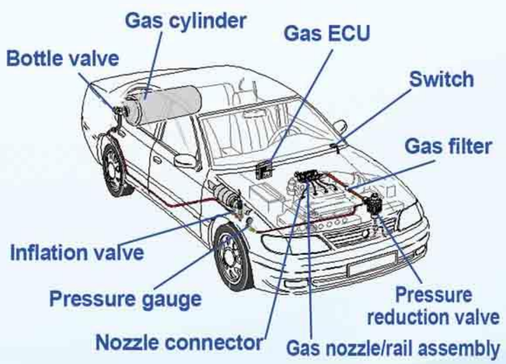
Dual fuel power generators evolved out of the need to reduce diesel consumption, reduce fuel costs, increase runtime, and reduce CO2 / NOx and PM emissions.

CNG Vehicles Conversion Kits

CNG cylinders are installed under chassis at vehicles to store fuel, High-pressure tubing connects the cylinders and engine, A low-pressure regulator is installed to supply Gas to engine as per need.



Main Components



CNG Tubes Skids Trailer

Large filling capacity 6000-9260scm, light weight, cost-effective;Both ends of the bottle body are provided with safety discharge device,Can be Loaded in trailer for easy transportation.

Gas station solutions

We provide one-stop gas station EPC solutions customizable high-standard design and construction can ensure that the gas station is quickly put into production and operation.

1. Design and construction
2. Equipment service and maintenance
3. LNG or CNG storage tanks
4. Pipeline and filtration system
5. Safety guarantee system construction
6. Staff training and management system construction

Mobile Daughter Gas Refill Station

The daughter gas refill station consists of gas cylinder group, compressor,dispenser,gas unloading column,metering system,gas filter,gas leakage alarming system,and 20ft or 40ft container.

This series of daughter gas filling stations can be fixed or mobile, with a capacity of 600-3000 standard cubic meters of natural gas that also designed with a 250bar compressors and gas dispensers, which can effectively meet the gas filling needs of small vehicles. Compared with traditional gas stations, it is lower cost and more flexible.

High quality products created under strict quality control system

Strict standard on product testing and process inspection is formulated to ensure product quality.From the moment when materials arrive in the workshop to the time for delivery, all the essential processes are under inspection and control by professional inspectors.Products with defects are not allowed to move to the next procedure unless the problems are well settled. Through complete quality control system, all-round control is performed over the aspects from design to production, from personnel to equipment, from process and material to the working site so as to satisfy the requirements of customers.

In order to make sure that product performance and quality meet the demanding requirements of our customers, advanced testing center is established in Pulita for new product design and delivery inspection.the inspection contents are in line with ISO8528 standard and performance requirements in special industry and regions.

Pulita has internationally advanced management and a reliable supply chain. More than ten years of production experience ensures excellent product quality and reliable after-sales service. At the same time, Pulita has passed ISO9001, ISO14001, ISO45001 and other system certifications.


Certificate of Registration

SHANDONG PULITA NEW ENERGY TECHNOLOGY CO.,LTD.

Conform to the environmental management system

GB/T24001-2016/ISO14001:2015Standard requirements

Authentication range

Production of gas generator sets, biomass gasifiers, cogeneration waste heat recovery equipment, and gas purification equipment; relevant environmental management activities at the sites involved in the sale of diesel engine fire pump sets


Certificate of Registration

SHANDONG PULITA NEW ENERGY TECHNOLOGY CO.,LTD.

Comply with occupational health and safety management system

GB/T45001-2020/ISO45001:2018 Standard requirements

Authentication range

Production of gas generator sets, biomass gasifiers, cogeneration waste heat recovery equipment, gas purification equipment; relevant occupational health and safety management activities at the sites involved in the sale of diesel engine fire pump set


Certificate of Registration

SHANDONG PULITA NEW ENERGY TECHNOLOGY CO.,LTD.

Conform to the quality management system

GB/T19001-2016/ISO9001:2015Standard requirements

Authentication range

Production of gas generator sets, biomass gasifiers, cogeneration waste heat recovery equipment, and gas purification equipment sales of diesel engine fire pump sets

After sales service

We are committed to providing exceptional after-sales service to ensure our customers in Nigeria have the best experience with our products.We have established offices and service center in Nigeria,with trained engineer and after sales staff who are ready to assist with any after-sales issues.We also built a warehouse in Nigeria, ensuring that spare parts and essential components are always available,This minimizes downtime and ensures that replacements and repairs can be carried out without delay.

Cases

Lagos Hospital 450kVA CNG generator set

Abuja LPG Station 100kVA LPG generator set

Ogun Burger king 80kVA LPG generator set

Ife CNG station 100kVA CNG generator set

Lagos Hospital 300kVA LPG generator set

Abuja LPG Station 200kVA 100kVA LPG generator set

Abuja Office 250kVA LPG generator set

Abuja Water factory 200kVA LPG generator set

CNG Refill Unit With Power System

Ogun Telecome 25kVA CNG generator set

Lagos Telecome 25kVA CNG generator set

Lagos CNG plant 50kVA CNG generator set

Solar Panel System

Residential full set of solar solution
8pcs x 550W PV panels + 1 unit x off-grid inverter + 1 unit x rack-mounted BESS fully cover your home electricity use.

Green and economical energy supply
Electricity from the Sun, green and clean energy, supply your home with low cost.

Smart cloud platform
Support APP/Web for monitoring and optimizing energy usage.

Scalable and Expandable
When equipped with one set of 5kW inverter, Max, 6pcs in parallel to extend capacity.

Battery
Battery equalization function helps extend lifecycle, and with reserved communication ports (RS485, CAN) for BMS.

Easy Installation
Quick plug in +/- and RS485 parallel connection.

Flexible Application
Rack mounted BESS can be used in a variety of applications, including grid storage,renewable energyintegration and backup power, etc.

PV + Energy Storage + Gas Generator Set

System Configuration – PV Module	
Maximum power	580Wp
Open Circuit Voltage	48.52V
Short Circuit Current	15.53A
Optimum Power Voltage	41.86V
Optimum Working current	14.59A
Component conversion efficiency	22.7
Component dimensions	2278*1134*30mm
Front Glass	High-transmission AR coated glass
Backsheet	Heat Strengthened Glass
Frame	High-Strength Alloy Steel
Junction Box	IP68,1500VDC,3 Bypass Diodes
Cable	4.0mm², Positive 350mm,Negative 230mm, or customized
Connector	PV-IP68
Weight	31kg

- During the daytime, when sufficient sunlight is available, the load is primarily powered by photovoltaic (PV) generation.Any excess energy is stored in the energy storage system. When PV output is insufficient, the energy storage system and/or gas generator set supplements the load.
- At night, when there is no solar generation, the energy storage system and/or gas generator set provides energy to the load.
- When there is no solar generation, the stored energy supplies powert otheload, with gas generator set providing additional support as needed.
- In the event of a generator outage, the PV system powers the load, and the energy storage system supplements the power supply.
- The Automatic Transfer Switch (ATS) will start the gas generator to supply power to the load.