

portable gasoline generator with two stroke engine

Portable gasoline generator is a kind of lightweight and convenient mobile power supply equipment, which generates electricity by driving the generator through the gasoline engine to provide users with a variety of voltage and current output.

Portable gasoline generators are widely used in outdoor activities, emergency backup power, construction sites, and for powering small appliances. Their compact and efficient design makes them a reliable solution for diverse power needs.

Working Principle

The portable gasoline generator uses a gasoline engine as its power source, converting the mechanical energy of the engine into alternating current (AC) via a brushless generator set. The excitation system and electric start system further ensure stable and efficient power generation.



Introduction of Portable Gasoline Generator

- **Brushless, Self-Excited Generator:** Eliminates the need for traditional brushes and rectifiers, reducing wear and simplifying maintenance. The self-excitation system ensures stable voltage output by utilizing the current generated by the generator itself.
- **2-Pole Phase Design:** Provides stable power output at lower speeds, making it suitable for daily appliances, small tools, and low power demand scenarios.
- **Multiple Output Voltages:** Offers 110V AC, 220V AC, 230V AC, and 240V AC outputs, compatible with most electrical devices worldwide.
- **12V DC Output:** Equipped with 12V DC 8.3A output, ideal for charging vehicles, motorcycle batteries, or other 12V devices.
- **Forced Air Cooling:** Built-in fan and radiator system maintains optimal internal temperature, ensuring efficient operation and prolonging equipment lifespan.
- **2-Stroke Engine:** Simple, compact, and high power output design, suitable for portable applications due to lightweight and high power density.

Main Features

- **Portable Design:** Equipped with handles or wheels for easy movement, perfect for flexible power scenarios.
- **Multi-Voltage Output:** Supports various AC voltages to meet international standards and diverse equipment needs.
- **High-Efficiency Cooling System:** Forced air cooling ensures stable long-term operation even under high loads.
- **Long-Time Stable Operation:** The combination of a 2-stroke engine and brushless self-excited generator provides consistent power output with reduced maintenance needs.

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Model	GS800	
Rated AC voltage	110Vac, 60Hz	220Vac, 230Vac, 240Vac, 50Hz
Rated Power output(AC)	0.7 kw	0.65 kw
Max Power output(AC)	0.8 kw	0.8 kw
Type	Brushless, Self-exciation, 2 pole phase	
DC output	12Vdc, 8.3A	
Engine model	1E45	
Engine type	forced air cooled, two stroke	
fuel oil	Unleaded gasoline	
Fuel tank capacity	4.2 L	
Starting system	recoil start	

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Model	GS800
Noise (7m away)	60dB
Net weight	16 kg
Dimension(mm)	380x320x325mm